# Starling Connect

# Release Notes

**26 March 2024**

These release notes provide information about the 26 March 2024 Starling Connect release.

# About this release

Accessible from the One Identity Starling site (https://www.cloud.oneidentity.com/), Starling Connect extends your investment in identity governance beyond on-premises apps to target cloud applications that are used by your partners. Starling Connect builds on One Identity Manager and Active Roles to unify governance, extend access controls, and ensures compliance, to reduce the time taken to provision / de-provision users and groups.

# New features

### The following is a list of new features in this release of Starling Connect .

The following is a list of new features in this release of Starling Connect.

- **Oracle Fusion Cloud** connector enhancement.
- See also:
    - Enhancements
    - Known issues

## The following were the new features in the previous releases of Starling Connect.

### 22 March 2024 new features

- **Dayforce** and **SuccessFactors HR** connector enhancements.
- See also:
    - Resolved Issues
    - Known issues

### 8 March 2024 new features

- **Salesforce** connector bug fix.
- See also:
    - Resolved Issues
    - Known issues

### 1 March 2024 new features

- **Workday HR** connector bug fix.
- See also:
    - Resolved Issues
    - Known issues

### 28 February 2024 new features

- **Salesforce** connector fix.
- **Workday HR** connector enhancement.
- See also:
    - Resolved Issues
    - Enhancements
    - Known issues

### 22 February 2024 new features

- **Okta** connector fix.
- See also:
    - Enhancements
    - Known issues

### 9 February 2024 new features

- **Atlassian Cloud** connector enhancement.
- See also:
    - Enhancements
    - Known issues

### 7 February 2024 new features

- **Atlassian Cloud** connector is released and can be used for provisioning and de-provisioning resources.
- See also:
    - Enhancements
    - Known issues

### 30 January 2024 new features

- **Workday HR** connector fix.
- See also:
    - Resolved Issues
    - Known issues

### 25 January 2024 new features

- **UKG Pro** connector enhancement.
- See also:
    - Enhancements
    - Known issues

### 23 January 2024 new features

- **Workday HR** connector enhancement.
- See also:
    - Enhancements
    - Known issues

### 11 January 2024 new features

- **Dayforce** connector enhancement.
- See also:
    - Enhancements
    - Known issues

### 27 December 2023 new features

- **SuccessFactors HR** connector bug fix.
- See also:
    - Resolved Issues
    - Known issues

### 21 December 2023 new features

- **Workday HR** connector enhancement.
- See also:
    - Enhancements
    - Known issues

### 8 December 2023 new features

- **Salesforce** connector enhancement and bug fix.
- See also:
    - Enhancements
    - Resolved Issues
    - Known issues

### 6 December 2023 new features

- **Azure DevOps** connector enhancement.
- See also:
    - Enhancements
    - Known issues

### 24 November 2023 new features

- **Workday HR** connector bugfix.
- Added a known issue for **Salesforce** connector.
- See also:
    - Resolved Issues
    - Known issues

### 20 November 2023 new features

- **Salesforce** connector enhancement.
- See also:
    - Enhancements
    - Known issues

### 16 November 2023 new features

- **Concur** connector enhancement.
- See also:
    - Enhancements
    - Known issues

### 15 November 2023 new features

- **Azure DevOps** connector enhancement.
- See also:
    - Enhancements
    - Known issues

### 7 November 2023 new features

- **Azure DevOps** connector enhancement.
- **ServiceNow** connector bug fix.
- See also:
    - Resolved Issues
    - Enhancements
    - Known issues

### 26 October 2023 new features

- **WorkdayHR**, **COUPA** connector bugfixes.
- **ServiceNow** connector enhancement.
- See also:
    - Resolved Issues
    - Enhancements
    - Known issues

### 20 October 2023 new features

- **Salesforce** connector bugfix.
- See also:
    - Resolved Issues
    - Known issues

### 04 October 2023 new features

- **Azure DevOps** connector enhancement.
- **UKG Pro** connector is released, and it can be used to READ the employee resources.
- See also:
    - Enhancements
    - Known issues

### 29 September 2023 new features

- **Dayforce** connector enhancement.
- See also:
    - Enhancements
    - Known issues

### 14 September 2023 new features

- **Azure DevOps** connector is released, and it can be used for provisioning or de-provisioning user resources.
- See also:
    - Enhancements
    - Known issues

### 11 September 2023 new features

- **AWS IAM S3** connector enhancement.
- See also:
    - Enhancements
    - Known issues

### 7 September 2023 new features

- **Salesforce** connector bug fix.
- See also:
    - Resolved Issues
    - Known issues

### 6 September 2023 new features

- **Workday HR** connector bug fix.
- See also:
    - Resolved Issues
    - Known issues

### 5 September 2023 new features

- **Concur** connector enhancement.
- **Coupa** connector bug fix.
- See also:
    - Resolved Issues
    - Enhancements
    - Known issues

### 29 August 2023 new features

- **OneLogin** connector enhancement.
- See also:
    - Enhancements
    - Known issues

### 21 August 2023 new features

- **Majesco** connector bug fix.
- See also:
    - Resolved Issues
    - Known issues

### 16 August 2023 new features

- **Salesforce** connector bug fix.
- See also:
    - Resolved Issues
    - Known issues

### 8 August 2023 new features

- **OneLogin** connector enhancement.
- See also:
    - Enhancements
    - Known issues

### 19 July 2023 new features

- **Coupa** connector enhancement.
- See also:
    - Enhancements
    - Known issues

### 14 July 2023 new features

- **Salesforce** connector bug fix.
- See also:
    - Resolved Issues
    - Known issues

### 10 July 2023 new features

- **Concur** connector enhancement.
- See also:
    - Enhancements
    - Known issues

### 7 July 2023 new features

- **Docusign** connector bugfix.
- See also:
    - Resolved Issues
    - Known issues

### 27 June 2023 new features

- **Docusign** connector enhancements.
- See also:
    - Resolved Issues
    - Known issues

### 12 June 2023 new features

- **SuccessFactors HR** connector bugfix.
- See also:
    - Resolved Issues
    - Known issues

### 1 June 2023 new features

- **Workday HR** connector enhancements.
- **Salesforce** connector bugfix.
- See also:
    - Enhancements
    - Resolved Issues
    - Known issues

### 18 May 2023 new features

- **SuccessFactors HR**, **Salesforce** and **ServiceNow** connectors bug fixes.
- **SuccessFactors, OneLogin and Okta** connectors enhancements.
- See also:
    - Enhancements
    - Resolved Issues
    - Known issues

### 4 May 2023 new features

- **SuccessFactors HR** connector bug fix and enhancements.
- See also:
    - Enhancements
    - Resolved Issues
    - Known issues

### 20 April 2023 new features

- **PingOne Platform** and **Azure Infrastructure** connector enhancements.
- See also:
    - Enhancements
    - Known issues

### 11 April 2023 new features

- **WorkDay HR** connector bug fixes.
- See also:
    - Resolved issues
    - Known issues

### 6 April 2023 new features

- **Okta**, **Majesco** and **WorkDay HR** connector enhancements.
- **SuccessFactor HR** bug fixes.
- See also:
    - Resolved issues
    - Enhancements
    - Known issues

### 23 March 2023 new features

- **Concur**, **Workday HR** and **PingOne Platform** connector enhancements.
- **SuccessFactor HR** bug fixes.
- See also:
    - Resolved issues
    - Enhancements
    - Known issues

### 9 March 2023 new features

- **AzureAD**, **ChipSoft** and **Azure Infrastructure** connector enhancements.
- **WorkdayHR** bug fixes.

- **PingOne Platform** connector is released, and it can be used for provisioning or de-provisioning resources.
- See also:
  - Resolved issues
  - Enhancements
  - Known issues

### 23 February 2023 new features

- **SuccessFactorHR** connector bug fixes.
- **Azure Infrastructure** connector enhancements.
- See also:
  - Resolved issues
  - Enhancements
  - Known issues

### 9 February 2023 new features

- **WorkdayHR** and **Azure Infrastructure** connector bug fixes.
- **ChipSoft** connector enhancements.
- See also:
  - Resolved issues
  - Enhancements
  - Known issues

### 26 January 2023 new features

- **WorkdayHR** connector bug fixes.
- **Majesco**, **SuccessFactorsHR** and **WorkdayHR** connector enhancements.
- **ChipSoft** connector is released and it can be used for provisioning or de-provisioning resources.
- See also:
  - Resolved issues
  - Enhancements
  - Known issues

### 12 January 2023 new features

- **SuccessFactorsHR** and **WorkdayHR** connector bug fixes.
- See also:
  - Resolved issues
  - Known issues

### 29 December 2022 new features

- **Oracle Fusion Cloud** and **SuccessFactorHR** connector bug fixes.
- See also:
    - Resolved issues
    - Known issues

### 15 December 2022 new features

- **Discourse** connector is released and it can be used for provisioning or de-provisioning resources.
- **Testrail** connector is released and it can be used for provisioning or de-provisioning resources.
- **SuccessFactorHR** connector bug fixes and enhancements.
- **Facebook Workplace** connector enhancements.
- See also:
    - Resolved issues
    - Enhancements
    - Known issues

### 1 December 2022 new features

- **JFrog Artifactory** connector is released and it can be used for provisioning or de-provisioning resources.
- **xMatters** connector is released and it can be used for provisioning or de-provisioning resources.
- See also:
    - Resolved issues
    - Known issues

### 17 November 2022 new features

- **Oracle Fusion Cloud** connector enhancements.
- See also:
    - Resolved issues
    - Enhancements
    - Known issues

### 3 November 2022 new features

- **Workday HR** connector bug fixes.
- **Majesco** connector enhancements
- See also:
    - Resolved issues
    - Enhancements

- Known issues

### 22 October 2022 new features

- **Workday HR** connector enhancement.
- **Amazon S3 AWS** connector renamed.
- **SuccessFactors** connector bug fixes.
- See also:
  - Resolved issues
  - Enhancements
  - Known issues

### 22 September 2022 new features

- **Workday HR** connector enhancements.
- See also:
  - Enhancements
  - Known issues

### 25 August 2022 new features

- **SuccessfactorsHR**, **Coupa** and **AWS Cognito** connector enhancements.
- See also:
  - Enhancements
  - Known issues

### 11 August 2022 new features

- **SuccessfactorsHR** and **Successfactors** connector enhancements.
- See also:
  - Enhancements
  - Known issues

### 28 July 2022 new features

- **SuccessfactorsHR** connector enhancements.
- **WorkdayHR** connector enhancements
- See also:
  - Enhancements
  - Known issues

### 14 July 2022 new features

- **SuccessfactorsHR** connector bugfixes and enhancements.
- **Salesforce** connector enhancements

- **Oracle Fusion Cloud** bugfixes.
- See also:
    - Enhancements
    - Resolved issues
    - Known issues

### 30 June 2022 new features

- **OracleFusionCloud** connector bugfixes.
- See also:
    - Resolved issues
    - Known issues

### 16 June 2022 new features

- **AzureInfraStructure,OracleFusionCloud,** and **Concur** connector enhancements
- See also:
    - Enhancements
    - Known issues

### 2 June 2022 new features

- **Successfactors** and **Azure Infrastructure** connector enhancements
- **Successfactors** connector bugfixes
- See also:
    - Enhancements
    - Resolved issues
    - Known issues

### 19 May 2022 new features

- **Successfactors HR** connector bugfixes
- **StatusPage**, **Okta**, **OneLogin**, **Concur** and **Azure Infrastructure** connector enhancements
- See also:
    - Enhancements
    - Resolved issues
    - Known issues

### 5 May 2022 new features

- The **OpenText** connector is released and it can be used for provisioning or de-provisioning resources.

- See also:
    - Known issues

### 21 April 2022 new features

- **Successfactors HR** connector enhancements and bugfixes
- See also:
    - Resolved issues
    - Known issues

### 7 April 2022 new features

- **Workday HR** connector bugfixes
- See also:
    - Resolved issues
    - Known issues

### 29 March 2022 new features

- **Workday HR** connector bugfixes
- See also:
    - Resolved issues
    - Known issues

### 24 March 2022 new features

- **Successfactors HR** connector bugfixes
- **Majesco** and **Lucca HR** connectors are released and they can be used for provisioning or de-provisioning resources.
- General connector enhancements
- See also:
    - Enhancements
    - Resolved issues
    - Known issues

### 10 March 2022 new features

- **WorkdayHR**, **SuccessfactorsHR**, **SugarCRM**, **Crowd**, connector enhancements
- **Zendesk** connector bugfixes
- See also:
    - Enhancements
    - Resolved issues
    - Known issues

### 24 February 2022 new features

- **WorkdayHR** connector bugfixes.
- See also:
    - Resolved issues
    - Known issues

### 10 February 2022 new features

- **WorkdayHR** connector enhancements and bugfixes.
- **One Login** connector enhancement.
- **RSA Archer** connector enhancement.
- **SuccessfactorsHR** connector bugfixes.
- See also:
    - Enhancements
    - Resolved issues
    - Known issues

### 27 Jan 2022 new features

- **RSA Archer** v3.0 connector enhancement.
- **Oracle Fusion Cloud** connector enhancements.
- **Azure Infrastructure** connector enhancements.
- See also:
    - Enhancements
    - Known issues

### 13 Jan 2022 new features

- **RSA Archer** connector version 3.0 release and enhancement.
- **Oracle Fusion Cloud** connector enhancements.
- General connector enhancements.
- See also:
    - Enhancements
    - Resolved issues
    - Known issues

### 30 Dec 2021 new features

- The **Oracle Fusion Cloud** connector is released and it can be used for provisioning or de-provisioning resources.
- **OneLogin** connector bug fixes.
- **Azure Infrastructure** connector enhancements.

- See also:
    - Enhancements
    - Resolved issues
    - Known issues

### 16 Dec 2021 new features

- **WorkdayHR** connector bug fixes.
- General connector enhancements.
- See also:
    - Enhancements
    - Resolved issues
    - Known issues

### 2 Dec 2021 new features

- **WorkdayHR** connector enhancements.
- **SuccessfactorsHR** connector bug fixes.
- General connector enhancements.
- See also:
    - Enhancements
    - Resolved issues
    - Known issues

### 19 Nov 2021 new features

- **WorkdayHR** connector enhancements and bug fixes.
- **SuccessfactorsHR** connector enhancements.
- General connector enhancements.
- See also:
    - Enhancements
    - Resolved issues
    - Known issues

### 5 Nov 2021 new features

- **OneLogin** connector enhancements and bug fixes.
- **WorkdayHR** connector enhancements.
- **SuccessfactorsHR** connector bug fixes.
- General connector enhancements.

- See also:
    - Enhancements
    - Resolved issues
    - Known issues

### 21 Oct 2021 new features

- The **Azure Infrastructure** Starling connector is released.
- **WorkdayHR** connector enhancements and bug fixes.
- **SuccessfactorsHR** connector enhancements and bug fixes.
- General connector enhancements.
- See also:
    - Enhancements
    - Resolved issues
    - Known issues

### 7 Oct 2021 new features

- General connector enhancements.
- **WorkdayHR** connector enhancements.
- **SuccessfactorsHR** connector bug fixes.
- See also:
    - Enhancements
    - Resolved issues
    - Known issues

### 23 Sep 2021 new features

- General connector enhancements.
- **Salesforce** connector bug fixes.
- See also:
    - Enhancements
    - Resolved issues
    - Known issues

### 20 Sep 2021 new features

- **SuccessFactorsHR** connector bug fixes and enhancements.
- See also:
    - Resolved issues
    - Enhancements
    - Known issues

### 9 Sep 2021 new features

- **WorkdayHR** connector bug fixes.
- **SuccessFactorsHR** connector bug fixes.
- **Okta** connector enhancements.
- General bug fixes.
- See also:
    - Enhancements
    - Resolved issues
    - Known issues

### 26 Aug 2021 new features

- **WorkdayHR** connector enhancements.
- **SuccessFactorsHR** connector enhancements and bug fixes.
- See also:
    - Enhancements
    - Resolved issues
    - Known issues

### 12 Aug 2021 new features

- Bug fixes related to connector request handler.
- See also:
    - Resolved issues
    - Known issues

### 29 Jul 2021 new features

- **Workday HR** connector enhancements.
- See also:
    - Enhancements
    - Known issues

### 23 Jul 2021 new features

- **Workday HR** connector bug fixes.
- **Successfactors HR** connector bug fixes.
- See also:
    - Resolved issues
    - Known issues

### 15 Jul 2021 new features

- **Workday HR** connector enhancements.
- See also:
    - Enhancements
    - Known issues

### 1 Jul 2021 new features

- **Azure AD** connector enhancements.
- **Workday HR** connector enhancements.
- See also:
    - Enhancements
    - Known issues

### 22 Jun 2021 new features

- **Workday HR** connector enhancements.
- See also:
    - Enhancements
    - Known issues

### 17 Jun 2021 new features

- **Workday HR** connector enhancements.
- See also:
    - Enhancements
    - Known issues

### 03 Jun 2021 new features

- **SAP Cloud for Customer** connector enhancements.
- See also:
    - Enhancements
    - Known issues

### 31 May 2021 new features

- **WorkdayHR** connector enhancements.
- See also:
    - Enhancements
    - Known issues

### 24 May 2021 new features

- **Google Workspace** connector enhancements.
- See also:
    - Enhancements
    - Known issues

### 20 May 2021 new features

- **WorkdayHR** connector bug fixes.
- Usage of inclusive language across admin guide (in progress) and release notes.
- See also:
    - Resolved issues
    - Enhancements
    - Known issues

### 6 May 2021 new features

- **Dayforce** connector bug fixes.
- **WorkdayHR** connector enhancements.
- **SAP Cloud for Customer** connector enhancements.
- See also:
    - Resolved issues
    - Enhancements
    - Known issues

### 22 April 2021 new features

- **SAP Cloud for Customer** connector is released and it can be used for provisioning or de-provisioning resources.
- **Dayforce** connector enhancements.
- **WorkdayHR** connector enhancements.
- See also:
    - Enhancements
    - Known issues

### 8 April 2021 new features

- **Dayforce** connector enhancements.
- See also:
    - Enhancements
    - Known issues

### 25 March 2021 new features

- **WorkdayHR** connector enhancements.
- See also:
    - Resolved issues
    - Enhancements
    - Known issues

### 15 March 2021 new features

- **Successfactors** connector enhanced to support filtering of User objects.
- **SuccessFactors** connector bug fixes.
- **SuccessFactorHR** connector bug fixes.
- See also:
    - Resolved issues
    - Enhancements
    - Known issues

### 11 March 2021 new features

- **Pingboard** connector is released and it can be used for provisioning or de-provisioning resources.
- **Salesforce** connector available for use with Safeguard for Privileged Passwords 6.8 or higher.
- See also:
    - Resolved issues
    - Enhancements
    - Known issues

### 25th February 2021 new features

- **Smartsheet** connector is released and it can be used for provisioning or de-provisioning resources.
- **WorkdayHR** connector enhancements
- See also:
    - Enhancements
    - Known issues

### 11 February 2021 new features

- **SuccessFactorHR** connector enhancements.
- **GSuite** connector enhancements.
- **Concur** connector enhancements

- See also:
    - Enhancements
    - Known issues

### 28 January 2021 new features

- **Azure AD** and **Amazon S3 AWS** connectors are available for use with Safeguard for Privileged Passwords 6.8 or higher.
- **WorkdayHR** connector enhanced to be pre-filled with the default values for Department, Division and Asset parameters.
- See also:
    - Enhancements
    - Known issues

### 14 January 2021 new features

- **SuccessFactorHR** connector enhancements.
- **Dayforce** Starling connector is released. It allows update on some attributes of the Employees endpoint and does not support provisioning or de-provisioning. For more information about the list of attributes, see Starling Connect Hosted - One Identity Manager Administration Guide on the Support site.
- See also:
    - Resolved issues
    - Enhancements
    - Known issues

### 17 December 2020 new features

- **SuccessFactorHR** connector bug fixes.
- **Salesforce** connector bug fixes.
- See also:
    - Resolved issues

### 9 December 2020 new features

- **Salesforce** connector bug fixes.
- See also:
    - Resolved issues

### 4 December 2020 new features

- **SuccessFactorHR** connector bug fixes.
- See also:
    - Resolved issues

### 3 December 2020 new features

- **PagerDuty** Starling connector is released and it can be used for provisioning or de-provisioning resources.
- See also:
    - Resolved issues
    - Enhancements
    - Known issues

### 19 November 2020 new features

The following updates are released:

- **SuccessFactorHR** connector is enhanced and it can now be used for creating or updating the perPhone information of the employees.
- **SuccessFactorHR** connector enhanced to filter the objects in perPhone endpoint
- **Workday HR** connector enhanced to filter the objects in Employees endpoint
- **Workday HR** connector enhanced to map the hierarchical data in CustomOrgs and Locations endpoints
- See also:
    - Enhancements
    - Known issues

### 5 November 2020 new features

The following updates are released:

- **Hive** Starling connector is released and it can be used for provisioning or de-provisioning resources.
- **Salesforce** bug fixes.
- See also:
    - Resolved issues
    - Known issues

### 22 October 2020 new features

The following updates are released:

- **SuccessFactors HR** bug fixes.
- See also: 22 October 2020 resolved issues

### 1 October 2020 new features

The following updates are released:

- **SuccessFactors HR** bug fix.
- See also: 1 October 2020 resolved issues

### 27 August 2020 new features

The following updates are released:

- The **Databricks** Starling connector is released and it can be used for provisioning or de-provisioning resources.
- **Workday HR** connector updates and enhancements.
- **SuccessFactors HR** connector resolved issue.
- See also:
    - 27 August 2020 enhancements
    - 27 August 2020 resolved issues
    - Known issues

### 13 August 2020 new features

The following updates are released:

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    - The **Apigee** Starling connector is released and it can be used for provisioning or de-provisioning resources.
    - **Apigee** connector known issues.
    - **Concur** connector limitation updates.
    - **SuccessFactors HR** connector enhancement.
- See also:
    - 13 August 2020 enhancements
    - Known issues

### 30 July 2020 new features

The following updates are released:

- The **Webex** Starling connector is released and it can be used for provisioning or de-provisioning resources.
- **AmazonS3AWS** connector known issue.
- **Crowd** connector known issue.
- **Jira** server connector known issue.
- **Salesforce** connector known issues.
- See also:
    - 30 July 2020 enhancements
    - Known issues

### 16 July 2020 new features

The following updates are released:

- The **Slack** Starling connector is released and it can be used for provisioning or de-provisioning resources.
- The **ActiveCampaign** Starling connector is released and it can be used for provisioning or de-provisioning resources.
- **Azure AD** connector enhancements and known issue.

- See also:
    - 16 July 2020 enhancements
    - Known issues

### 2 July 2020 new features

The following updates are released:

- **SuccessFactors HR** connector enhancements and bug fixes.
- **SuccessFactors** connector enhancements.
- **Salesforce** connector enhancements and known issue.
- **Coupa** bug fix.
- See also:
    - 2 July 2020 enhancements
    - 2 July 2020 resolved issues
    - Known issues

### 18 June 2020 new features

The following updates are released:

- The **Hacker Rank** Starling connector is released and it can be used for provisioning or de-provisioning resources.
- The **SAP Litmos** Starling connector is released and it can be used for provisioning or de-provisioning resources.
- **Salesforce** connector enhancements and bug fix.
- **Coupa** connector bug fix.
- **Workday HR** connector bug fix.
- See also:
    - 18 June enhancements
    - 18th June 2020 resolved issues

### 4 June 2020 new features

The following updates are released:

- The **Aha** Starling connector is released and it can be used for provisioning or de-provisioning resources.
- **Azure AD** connector enhancements.
- **Salesforce** connector bug fix.
- **SuccessFactors HR** connector bug fix.
- **Coupa** connector bug fix.

- See also:
    - 4 June 2020 enhancements
    - 4th June 2020 resolved issues
    - Known issues

## 21 May 2020 new features

The following updates are released:

- The **PingOne** Starling connector is released and it can be used for provisioning or de-provisioning resources.

## 7 May 2020 new features

The following updates are released:

- The **OneLogin** Starling connector is released and it can be used for provisioning or de-provisioning resources.
- The **WorkDayHR** Starling connector is released. It allows update on some attributes of the **Employees** endpoint and does not support provisioning or de-provisioning. For more information about the list of attributes, see Starling Connect Hosted - One Identity Manager Administration Guide on the Support site.
- The **Marketo** Starling connector is released and it can be used for provisioning or de-provisioning resources.
- **SuccessFactors HR** enhancements.
- **Coupa** connector enhancements and bug fixes.
- See also:
    - 7 May 2020 enhancements
    - 7 May 2020 resolved issues
    - Known issues

## 23 April 2020 new features

There are no new features in this release.

The following updates are released:

- Internal bug fixes for BaseCRM connector
- Documentation updates for Synchronization and integration of Roles object type with One Identity Manager for the following connectors:
    - OpsGenie
    - DataDog

## 15 April 2020 new features

The following updates are released:

- **SuccessFactors HR** connector enhancements.
- **SuccessFactors** connector enhancements.

- **Coupa** connector enhancements.
- **Salesforce** connector enhancements.
- **ServiceNow** connector enhancements.
- See also: 15 April 2020 enhancements

### 9 April 2020 new features

The following updates are released:

- **Coupa** connector enhancements.
- **SalesForce** connector enhancements.
- See also:
    - 9 April 2020 resolved issues
    - 9 April 2020 enhancements

### 26 March 2020 new features

The following updates are released:

- The **AppDynamics** Starling connector is released and it can be used for provisioning or de-provisioning resources.
- **RSA Archer** enhancement.
- See also:
    - Known issues
    - 26th March 2020 enhancements

### 12 March 2020 new features

The following updates are released:

- **Okta** enhancement.
- See also:
    - 12 March 2020 enhancements
    - 12 March 2020 resolved issues

### 27 February 2020 new features

The following updates are released:

- The **Informatica Cloud Services** Starling connector is released and it can be used for provisioning or de-provisioning resources.
- **Amazon S3 AWS** connector enhancements.
- **Coupa** connector bug fixes.
- See also:
    - 27th February 2020 enhancements
    - 27th February 2020 resolved issues

### 13 February 2020 new features

The following updates are released:

- The **OpsGenie** Starling connector is released and it can be used for provisioning or de-provisioning resources.
- **Box** connector enhancements.
- **SuccessFactors HR** enhancements - A new version of the connector v. 2.0 is available, which enhances the **GetEmployee API**.
- **RSA Archer** enhancements.
- Starling Connect Support for Active Roles.
- See also: 13 February 2020 enhancements

### 30 January 2020 new features

The following updates are released:

- The **DataDog** Starling connector is released and it can be used for provisioning or de-provisioning resources.
- The **Hideez** Starling connector is released.
  For integration with One Identity Manager, see issue ID 220412 in Known issues.
- **SuccessFactors HR** connector enhancements.
- See also:
  - 30 January 2020 enhancements
  - 30 January 2020 resolved issues

### 6 January 2020 new features

The following updates are released:

- **Coupa connector enhancements.**
- **SuccessFactors HRconnector bug fixes**.
- See also:
  - 6 January 2020 enhancements
  - 6 January 2020 resolved issues

### 19 December 2019 new features

The following updates were released:

- **SuccessFactors HR connector bug fixes**.
- **SuccessFactors HR connector enhancements.**
- See also:
  - 19 December 2019 resolved issues
  - 19 December 2019 enhancements

### 11 December 2019 new features

The following updates are released:

- **SuccessFactors HR connector bug fixes**.
- **Custom attributes for Coupa connector.**
- See also: 11 December 2019 resolved issues

### 5 December 2019 new features

The following updates were released:

- **Configuring Amazon S3 AWS connector to support entitlements for User and Group**.
- **SuccessFactors HRconnector enhancements**.
- See also: 5 December 2019 enhancements

### 21 November 2019 new features

The following updates were released:

- **The Okta connector was released and it can be used for provisioning or de-provisioning resources.**
- **Versioning of Starling connectors.**
- **Starling Connect support for Active Roles.**
- **Custom attributes for Coupa connector.**
- **Deprecation of Bitbucket connector.**
- See also:
  - 21 November 2019 enhancements
  - 21 November 2019 resolved issues
  - 21 November 2019 deprecated features

### 7 November 2019 new features

The following updates were released:

- **No new features**
- See also: 7 November 2019 enhancements

### 24 October 2019 new features

The following updates were released:

- **No new features**
- See also:
  - 24 October 2019 enhancements
  - 24 October 2019 resolved issues

### 10 October 2019 new features

The following updates were released:

- **No new features**
- See also: 10 October 2019 enhancements

### 1 October 2019 new features

The following updates were released:

- **No new features**
- See also: 1 October 2019 resolved issues

### 12 September 2019 new features

The following updates were released:

- **No new features**
- See also: 12 September 2019 enhancements

### 29 August 2019 new Features

The following updates were released:

- **No new features**
- See also: 29 August 2019 enhancements

### 16 August 2019 new features

The following updates were released:

- **No new features**
- See also: 16 August 2019 enhancements

### 2 August 2019 new features

The following updates were released:

- **No new features**

### 18 July 2019 new features

The following updates were released:

- **No new features**
- See also:18 July 2019 enhancements

### 4 July 2019 new features

The following updates were released:

- **Coupa**
- See also:
    - 4 July 2019 enhancements
    - 4 July 2019 resolved issues

### 20 June 2019 new features

The following updates were released:

- **No new features**
- See also:
    - 20 June 2019 enhancements
    - 20 June 2019 resolved issues

### 9 May 2019 new features

The following Starling connectors were released and they can be used for provisioning or de-provisioning resources:

- **GoToMeeting**
- See also: 9 May 2019 resolved issues

### 25 April 2019 new features

The following Starling connectors were released and they can be used for provisioning or de-provisioning resources:

- **Concur**
- **Tableau**

### 11 April 2019 new features

The following Starling connectors were released and they can be used for provisioning or de-provisioning resources:

- **Azure AD**
- **GSuite**

### 28 March 2019 new features

The following Starling connectors were released and they can be used for provisioning or de-provisioning resources:

- **Zendesk**
- **Citrix ShareFile**

### 14 March 2019 new features

The following Starling connectors were released and they can be used for provisioning or de-provisioning resources:

- **Workbooks**
- **DocuSign**

### 28 February 2019 new features

The following Starling connectors were released and they can be used for provisioning or de-provisioning resources:

- **Statuspage**
- **Zendesk Sell**
- See also: 28 February 2019 resolved issues

## 14 February 2019 new features

The following Starling connectors were released and they can be used for provisioning or de-provisioning resources:

- **Oracle IDCS**
- **Bitbucket**

## 31 January 2019 new features

The following Starling connectors were released and they can be used for provisioning or de-provisioning resources:

- **Egnyte**
- **SugarCRM**
- See also: 31 January 2019 resolved issues

## 17 January 2019 new features

The following Starling connectors were released and they can be used for provisioning or de-provisioning resources:

- **NutShell**
- **Insightly**
- See also: 17 January 2019 resolved issues

## 08 January 2019 new features

The following Starling connectors were released and they can be used for provisioning or de-provisioning resources:

- **SuccessFactors HR**

## 03 January 2019 new features

The following Starling connectors were released and they can be used for provisioning or de-provisioning resources:

- **Pipedrive**

## 20 December 2018 new features

The following Starling connectors were released and they can be used for provisioning or de-provisioning resources:

- **Trello**
- **Box**

## 05 December 2018 new features

The following Starling connectors were released and they can be used for provisioning or de-provisioning resources:

**Atlassian JIRA Confluence**

## 22 November 2018 new features

The following Starling connectors were released and they can be used for provisioning or de-provisioning resources:

- **Dropbox**
- **Crowd**
- See also: 22 November 2018 resolved issues

### 25 October 2018 new features

The following Starling connectors were released and they can be used for provisioning or de-provisioning resources:

- **Amazon S3 AWS**
- **ServiceNow**
- See also: 25 October 2018 resolved issues

### 17 October 2018 new features

The following Starling connector was released and it can be used for provisioning or de-provisioning resources:

- **No new feature**
- See also: 17 October 2018 enhancements

### 26 September 2018 new features

The following Starling connector was released and it can be used for provisioning or de-provisioning resources:

- **SuccessFactors**

### 15 August 2018 new features

The following Starling connectors were released and they can be used for provisioning or de-provisioning resources:

- **Salesforce**
- **Facebook Workplace**
- **SAP Cloud Platform**
- **JIRA Server**
- **RSA Archer**
- See also: 15 August 2018 resolved issues

# Enhancements

**The following is a list of enhancements implemented in this release of Starling Connect .**

**26 March 2024**

**Table 1: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Oracle Fusion Cloud** | The connector is enhanced to support some additional attributes under Employees endpoint. The connector supports Future dated Employees Endpoint and Filtering in all the endpoints. | **443275** |

## The following is a list of enhancements implemented in the previous releases of Starling Connect .

### 22 March 2024 enhancements

**Table 2: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Dayforce** | The connector is enhanced to support some additional attributes in GET/PUT of employees. | **448902** |
| **SuccessFactors HR** | The connector is enhanced to support new attribute (isContingentWorker) in GET of Employees and FutureDatedEmployees in version 10.3**.** | **449001** |

### 28 February 2024 enhancements

**Table 3: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **WorkdayHR** | The connector is enhanced to support employee id attribute in filtering. | 443097 |

### 9 February 2024 enhancements

**Table 4: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Atlassian Cloud** | The connector is enhanced with new Endpoint Groups. | **439250** |

### 7 February 2024 enhancements

**Table 5: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Atlassian Cloud** | The connector is released and can be used for provisioning/de-provisioning resources. | **442833** |

### 25 January 2024 enhancements

**Table 6: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **UKG Pro** | The connector is enhanced to support to support new endpoint EmpEmployments. | **439287** |
| | The connector is enhanced to support the attributes disabling feature and changed "id" attribute format. | **438030** |
| | The connector is enhanced to support new endpoint EmpJobs. | **437240** |

### 23 January 2024 enhancements

**Table 7: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Workday HR** | The connector is enhanced to support Organization Reference Id for all the organizations in Employees version 3.2. | **443030** |

### 11 January 2024 enhancements

**Table 8: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Dayforce** | The connector is enhanced to support additional attributes mapping in Employees and Organizations (GET/PUT). | **442106** |

### 21 December 2023 enhancements

**Table 9: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Workday HR** | The connector is enhanced to support additional attributes in Employees version 3.2. | **441793** |

### 8 December 2023 enhancements

**Table 10: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Salesforce** | The token URL has been moved out of credentials in order to allow saving the connector with token URL other than default value | **440247** |

### 6 December 2023 enhancements

**Table 11: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Azure DevOps** | The connector is enhanced to support write operations for users in v2.0. | **440779** |

### 16 November 2023 enhancements

**Table 12: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Concur** | The connector is enhanced to support the PrimaryApprover attribute in v2.0 | **434192** |

### 15 November 2023 enhancements

**Table 13: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Azure DevOps** | The connector is enhanced with v2.0 with improved performance. | **438561** |

### 7 November 2023 enhancements

**Table 14: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Azure DevOps** | The connector is enhanced with new Endpoint Projects. | **436116** |

### 26 October 2023 enhancements

**Table 15: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **ServiceNow** | The connector is enhanced to support complex custom attribute. | **427490** |

### 04 October 2023 enhancements

**Table 16: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Azure DevOps** | The connector is enhanced to support the new Endpoint Groups | **433023** |

### 29 September 2023 enhancements

**Table 17: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Dayforce** | The connector is enhanced to support additional attribute employmentStatusGroup | **433376** |

### 11 September 2023 enhancements

**Table 18: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **AWS IAM S3** | The connector is enhanced to support v2.0 with base64 encoded id | **424627** |

### 05 September 2023 enhancements

**Table 19: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Concur** | The connector is enhanced to support custom attributes in v2.0 of the connector | **427748** |

### 29 August 2023 enhancements

**Table 20: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **OneLogin** | The connector is enhanced to retrieve 50 records per request on the target APIs | **426272** |

### 21 August 2023 enhancements

**Table 21: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Majesco** | The connector is enhanced to support application access for users | **426330** |

### 19 July 2023 enhancements

**Table 22: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Coupa** | The connector is enhanced to support OAuth from target API in v2.0 of the connector | **423650** |

### 10 July 2023 enhancements

**Table 23: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Concur** | Concur connector is enhanced to support user provisioning in v2.0 of the connector. | **399422** |

### 7 July 2023 enhancements

**Table 24: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **DocuSign** | The connector has been enhanced to follow the latest authentication flow supported by the DocuSign target APIs | **420186** |

### 1 June 2023 enhancements

**Table 25: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **WorkDay HR** | The connector is enhanced to support v3.2 of the connector which supports updating phone numbers. | **417627** |
| | The connector is enhanced to read leadership references for Organizations from Workday. | **418021** |

### 18 May 2023 enhancements

**Table 26: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **OneLogin** | The connector is enhanced to support filters in v2 of the connector. | **415238** |
| **SuccessFactors** | The connector is enhanced by replacing the less secured, deprecated SAML generation logic with industry standard approach. | **404486** |
| **Okta** | The connector is enhanced to support the last login attribute in the users Endpoint GET request. | **417795** |

### 4 May 2023 enhancements

**Table 27: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **SuccessFactors HR** | The connector is enhanced to support new endpoint EmpJobRelationships (v10.0 onwards) | **412350** |
| | The connector is enhanced to support SAML generation logic to be replaced with recommended approach (v6.0 onwards) | **415161** |
| | The connector is enhanced to support the update of custom attributes under EmpEmployments and PerPersonals (v9.0 onwards) | **414869** |

### 20 April 2023 enhancements

**Table 28: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **PingOne Platform** | The connector is enhanced to support groups endpoint | **411084** |
| **Azure Infrastructure** | The connector is enhanced to support a new attribute | **393394** |

### 6 April 2023 enhancements

**Table 29: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Okta** | The connector is enhanced to support activating and deactivating of user | **410563** |
| **Majesco** | The connector is enhanced to support removing all roles associated with a user | **413155** |
| **WorkDay HR** | The connector is enhanced to get the Rehire date of Rehires recieved via the FutureDated Employees endpoint | **412347** |
| **WorkDay HR** | The connector is enhanced to get detailed information about future dated business process events | **412348** |

### 23 March 2023 enhancements

**Table 30: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Concur** | The connector is enhanced to support filter in v2 of the connector | **407401** |
| **PingOne Platform** | The connector is enhanced with new Endpoint Population | **405293** |
| **WorkDayHR** | The connector is enhanced to support v3.1 which supports only PUT for updating | **410561** |

### 9 March 2023 enhancements

**Table 31: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Azure Infrastructure** | The connector is enhanced to handle the target API throttling. | **405127** |
| **Azure AD** | The connector is enhanced to support guest accounts | **367652** |
| **ChipSoft** | The connector now supports managing the login groups during Create and Update operation of Users | **406887** |

### 23 February 2023 enhancements

**Table 32: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Azure Infrastructure** | The connector is enhanced to support the creation and removal of role assignments. | **393003** |

### 9 February 2023 enhancements

**Table 33: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **ChipSoft** | The connector now supports enhanced write operations. | **389865** |

### 26 January 2023 enhancements

**Table 34: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **SuccessFactors** | The connector now supports OAuthAuthentication from v5.0 onwards. | **393212** |
| **WorkDayHR** | The connector is now enhanced to return the End Employment Date on Employee as a separate schema property | **403278** |
| **Majesco** | The connector is enhanced with write and membership management operations. | **295168** |

### 15 Dec 2022 enhancements

**Table 35: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Facebook Workplace** | Target API upgraded to the latest version. | **296378** |
| **SuccessFactorsHR** | The connector can handle the objects with special characters in the 'id'. | **391999** |

### 17 Nov 2022 enhancements

**Table 36: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Oracle Fusion Cloud** | Oracle Fusion Cloud connector supports managing data security records.<br>Note: Currently, it is in beta version. | **314727** |

### 3 Nov 2022 enhancements

**Table 37: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Majesco** | The Majesco connector is enhanced to support READ Roles functionality | **318961** |

### 22 Oct 2022 enhancements

**Table 38: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Workday HR** | New endpoint "JobProfiles" is supported in all versions in the Workday HR connector | **324067** |
| **AWS IAM S3** | Amazon S3 AWS connector renamed to AWS IAM S3 | **317646** |

### 22 Sep 2022 enhancements

**Table 39: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **SuccessfactorsHR** | Navigational attributes are supported under a custom object type in the Successfactors HR connector | **315844** |
| **Coupa** | Coupa connector supports OAuth authentication in V1.1 | **315681** |
| **AWS Cognito** | Support for accepting target datetime offset and appropriately processing the datetime values based on the offset | **298959** |

### 25 Aug 2022 enhancements

**Table 40: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **SuccessfactorsHR** | Navigational attributes are supported under a custom object type in the Successfactors HR connector | **315844** |
| **Coupa** | Coupa connector supports OAuth authentication in V1.1 | **315681** |
| **AWS Cognito** | Support for accepting target datetime offset and appropriately processing the datetime values based on the offset | **298959** |

### 11 Aug 2022 enhancements

**Table 41: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Successfactors** | The connector now supports adding custom attributes (v4 onwards) for User type. | **315647** |
| **SuccessFactorsHR** | The connector now supports the new future dated positions and future dated perpersonals endpoints. | **317662** |

### 28 Jul 2022 enhancements

**Table 42: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **SuccessFactorsHR** | The PerPersonal endpoint is enhanced to return the FutureDated PerPersonal. | **314726** |
| **SuccessFactorsHR** | The Positions endpoint is enhanced to return the FutureDated Positions. | **313399** |
| **WorkdayHR** | The Positions endpoint now supports a new Get_ Positions endpoint | **315079** |
| **WorkdayHR** | The connector now supports Included_In_Organization_Reference attribute in CustomOrgs Endpoint . | **315080** |
| **WorkdayHR** | The connector now supports "ISO_3166-2_Code‟ and "ISO_3166-2_Country-Region_Code‟ attributes in Locations endpoint. | **315081** |

### 14 Jul 2022 enhancements

**Table 43: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **SuccessfactorsHR** | The connector is enhanced to support the 'loginMethod' attribute under Employees. | **302807** |
| **SuccessfactorsHR** | The connector now supports the configuration and use of a custom object type | **309106** |
| **SuccessfactorsHR** | The connector is enhanced to support the update operation for custom attributes.<br>**NOTE:** This feature is currently supported under Employees only. | **309027** |
| **Salesforce** | The connector is enhanced to support the Salesforce APIs v.53.0. | **313409** |

### 16 Jun 2022 enhancements

**Table 44: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Azure Infrastructure** | The connector is enhanced to fetch all items under **managementGroups** and **Roles** endpoint using **nextLink** attribute | **311038** |
| **Oracle Fusion Cloud** | The connector is enhanced to support role membership in the roles endpoint | **304279** |
| **Concur** | The connector is enhanced to support the v4 API functionality | **306901** |

### 2 Jun 2022 enhancements

**Table 45: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Azure Infrastructure** | The connector is enhanced to support role assignments at root scope under the role assignments list response. | **309584** |
| **SuccessFactors** | The connector is enhanced to support more attributes supported for User. | **309041** |
| **SuccessFactors** | The connector is enhanced to support insert / update / upsert on inactive users using extended permissions. | **307118** |

### 19 May 2022 enhancements

**Table 46: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **StatusPage** | The connector now supports target instance's server's datetime offset as customer input to parse the datetime values appropriately (Set 6) | **291181** |
| **Okta** | Modification in the connector to support the continuous synchronization of the objects without hitting the rate limit by target system | **305499** |
| **OneLogin** | Modification in the connector to support the continuous synchronization of the objects without hitting the rate limit by target system | **305076** |
| **OneLogin** | The connector is enhanced to support the latest endpoints readily available for customers integration | **289279** |
| **Concur** | The new connector version supports the V4 target APIs for **GET** and **LIST** operations on **Users** | **307717** |
| **Azure Infrastructure** | The connector mappings for target APIs and mappings are upgraded for some of the endpoints. | **304985** |

### 21 April 2022 enhancements

**Table 47: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **SuccessfactorsHR** | The **SuccessFactorsHR** connector now supports the deletion of email addresses. | **302186** |
| **SuccessfactorsHR** | In v8.0 of **SuccessFactorsHR** connector, the **FutureDatedEmployees** endpoint will return the next effective record. | **303995** |

### 24 March 2022 enhancements

**Table 48: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| | Modifications to have datetime offset as a configurable parameter in **SAP Cloud for Customer** and **Hideez** connector | **303103** |

### 10 March 2022 enhancements

**Table 49: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **SuccessFactorHR** | Supported OAuth Authentication from v6.0 in SuccessFactorsHR connector | **300100** |
| **Workday HR** | The FutureDatedEmployee endpoint is enhanced to return the Termination_Date if available | **292548** |
| **Workday HR** | The **Workday HR** connector now supports a new endpoint for delta sync employees | **302214** |
| | Modifications to have datetime offset as a configurable parameter in **SugarCRM** and **Crowd** connector | **303102** |

### 10 February 2022 enhancements

**Table 50: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **WorkdayHR** | WorkdayHR connector is enhanced to have BusinessUnit attribute in Employees end point for GET request | **298549** |
| **WorkdayHR** | WorkdayHR connector is enhanced to have Manager ID for Future Dated Endpoint with multiple <Assignment_From> tag | **300717** |
| **One Login** | One Login connector is enhanced to have assign and remove user functionality from roles in OneLogin | **299285** |
| **RSA Archer** | RSA Archer connector is enhanced to support customer specific use cases in the v3.0 of generalized SCIM connector.<br>NOTE: The transition of v2 functionality into generic solutions is underway and until it is complete, One Identity Manager recommends that existing customers should skip updating to this version till further notification. | **299240** |

### 27 January 2022 enhancements

**Table 51: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **RSA Archer** | RSA Archer connector is enhanced to have a generalized SCIM connector at "Groups" and "Roles" functionality.<br>NOTE: The transition of v2 functionality into generic solutions is underway and until it is complete, One Identity Manager recommends that existing customers should skip updating to this version till further notification. | 294094 |
| **Oracle Fusion Cloud** | Oracle Fusion Cloud connector is enhanced to implement the governance relevant endpoints of the common API for Oracle Applications Cloud and has update employee functionality. | 279793 |
| **Azure Infrastructure** | Modifications to have datetime offset as a configurable parameter in Azure Infrastructure connector. | 299230 |

### 13 January 2022 enhancements

**Table 52: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **RSA Archer** | RSA Archer has enhanced user functionality in the generalized SCIM connector and v3.0 release that generalizes the approach to handle Archer.<br>NOTE: The transition of v2 functionality into generic solutions is underway and until it is complete, One Identity Manager recommends that existing customers should skip updating to this version till further notification. | 297547 |
| **Oracle Fusion Cloud** | Oracle Fusion Cloud connector is enhanced to support the Employee functionality. | 297561 |
| | Modifications to have datetime offset as a configurable parameter in Workday HR, Dayforce, Successfactors HR, Zendesk and Zendesk Sell (Base CRM) connectors. | 291180 |

### 30 December 2021 enhancements

**Table 53: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Azure** | Azure Infrastructure connector is enhanced to support a separate endpoint for role assignments. | 291995 |

### 16 December 2021 enhancements

**Table 54: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| | Modifications to have datetime offset as a configurable parameter in Facebook Workplace connector | 296985 |

### 2 December 2021 enhancements

**Table 55: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **WorkdayHR** | The WorkdayHR connector is enhanced to support the last name suffix in Employees endpoint Get request. | 294685 |
| **WorkdayHR** | The **WorkdayHR** connector is enhanced to support the MiddleName attribute in the response for FutureDatedEmployees Endpoint GET operation. | 295167 |
| | Modifications to have datetime offset as a configurable parameter in Smartsheet and SAP Litmos connectors | 295206 |

### 19 November 2021 enhancements

**Table 56: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **WorkdayHR** | The WorkdayHR connector is enhanced to support the Cost Center Hierarchy in Employees endpoint Get request. | 294329 |
| **WorkdayHR** | The **WorkdayHR** connector is enhanced to support the Organization Reference WID in CustomOrgs Endpoint Get Request. | 294330 |
| **WorkdayHR** | The **WorkdayHR** connector now supports having the future termination date of employees in Get Request for Employee End Point in delta sync. | 293999 |
| **SuccessFactorsHR** | The **SuccessFactorsHR** connector now supports fetching the PerEmail entries for an Employee | 291264 |
| | Modifications to have datetime offset as a configurable parameter in SCP, Marketo and OpsGenie connectors | 294000 |

### 5 November 2021 enhancements

**Table 57: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Connector** | **Enhancements** | **Work item ID** |
| **WorkdayHR** | The WorkdayHR connector is enhanced to support the new attributes on the Employees endpoint. | 292790 |
| **WorkdayHR** | The **WorkdayHR** connector is enhanced to support the MiddleName attribute in the response for Employees Endpoint **GET** operation | 292496 |
| **OneLogin** | The **OneLogin** connector now supports assigning connected applications to users. | 275159 |
| | Modifications to have datetime offset as a configurable parameter in Workbooks, Dropbox, Insightly, Aha and ActiveCampaign connectors | 292854 |

### 21 October 2021 enhancements

**Table 58: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **WorkdayHR** | The connector is enhanced to support deletion of the attribute values (**PhoneNumbers**) from the workday instance using the workday connector | 291391 |
| **SuccessfactorsHR** | The connector is enhanced to support multilevel navigational custom attributes | 289757 |
| **SuccessfactorsHR** | The **PerPersonals** endpoint in **SuccessfactorHR** connector is enhanced to support attribute selection on LIST responses | 290594 |
| | Modifications to have datetime offset as a configurable parameter in Sharefile, HackerRank, Pingboard and DocuSign connectors | 291424 |

### 7 October 2021 enhancements

**Table 59: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **WorkdayHR** | The user can now delete the attribute values from the Workday instance using the Workday connector . | 290029 |
| | Modifications to have datetime offset as a configurable parameter in Box, Pipedrive, Informatica Cloud Services, OneLogin, Oracle IDCS, and Nutshell connectors. | 290298 |
| **Okta** | The connector is enhanced to support multivalued custom attribute in Okta Connector. | 287960 |

### 23 September 2021 enhancements

**Table 60: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| | Modifications to have datetime offset as a configurable parameter in Google Workspace, PingOne, WebEx, Azure AD, Salesforce, Slack, SuccessFactors, and Concur connectors. | 267778 |

### 20 September 2021 enhancements

**Table 61: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **SuccessfactorsHR** | The connector is enhanced to support the matrixManager attribute under userNav. | 288457 |

### 9 September 2021 enhancements

**Table 62: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Okta** | The connector is enhanced to support custom attributes for both users and groups endpoints. | 287565 |
| **Okta** | The connector is enhanced to support the datetime offset values. | 267778 |

### 26 August 2021 enhancements

**Table 63: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **WorkdayHR** | The **WorkdayHR** connector is enhanced to include the LineAddress data in Locations endpoint. | 284953 |
| **WorkdayHR** | The **WorkdayHR** connector is enhanced to include custom Integration ID in the response for Employees endpoint **GET** operation. | 285536 |
| **SuccessfactorsHR** | The **SuccessfactorsHR** connector is enhanced to fetch the `lastModified` information synced based on the `lastModifiedOn` attribute of EmpJob and `lastModified` of User (whichever is latest) into meta.LastModified. | 270291 |
| **SuccessfactorsHR** | The **SuccessfactorsHR** entity endpoints are enhanced to return the the last modified Date in UTC format. | 270150 |
| **SuccessfactorsHR** | The **SuccessfactorsHR** connector is enhanced to handle a future dated event where the revision counter considers StartDate of the event along with current implementation date, which is LastModifiedOn & LastModified of EmpJob & User Obj. | 270577 |

### 29 Jul 2021 enhancements

**Table 64: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **WorkdayHR** | The **WorkdayHR** connector is enhanced to fetch the local name for a Future Dated Hire, if available. | 283151 |
| **WorkdayHR** | The **WorkdayHR** connector is enhanced to support dedicated API's for updating work and home contact information. | 281375 |
| **WorkdayHR** | The **WorkdayHR** connector is enhanced to support all attributes available under the Worker_Status. | 282011 |

### 15 Jul 2021 enhancements

**Table 65: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **WorkdayHR** | The **WorkdayHR** connector is enhanced to support status attribute in **GET All** operation for the Employees endpoint. | 282010 |
| **WorkdayHR** | The **WorkdayHR** connector is enhanced to retry the requests failed due to network connectivity issues in **GET** operation. | 281421 |
| **WorkdayHR** | The **WorkdayHR** connector is enhanced to support new attributes **hire reason**, **termination reason** and **local termination** in the Employee Endpoint **GET** operation. | 281133 |

### 1 Jul 2021 enhancements

**Table 66: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Azure AD** | The **Azure AD** connector is enhanced to support new endpoint **Applications** and operations to Add/ Remove/ List application roles under User & Group. | 275157 |
| **Workday HR** | The **WorkdayHR** connector is enhanced to support a new endpoint **FutureDatedEmployees**. | 269118 |
| **Workday HR** | The **WorkdayHR** connector is enhanced to support new attributes **Job_Classification_Reference** with **WID** and **Job_Classification_Reference_ID** in the Employee Endpoint **GET** operation. | 279632 |

### 17 June 2021 enhancements

**Table 67: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Workday HR** | The **Workday HR** connector is enhanced to support PATCH operation for **Employee** endpoint. | 269057 |

### 3 June 2021 enhancements

**Table 68: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **SAP Cloud for Customer** | The **SAP Cloud for Customer** connector is enhanced to support new attributes "LogonLanguageCode" and "LogonLanguageCodeText". | 276525 |

### 31 May 2021 enhancements

**Table 69: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **WorkdayHR** | The **WorkdayHR** connector is enhanced to support the filtering of Employees based on the Employee status, for Employee Endpoint. | 275544 |

### 24 May 2021 enhancements

**Table 70: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **WorkdayHR** | The **WorkdayHR** connector is enhanced to support the filtering of Employees based on the Employee status, for Employee Endpoint. | 275544 |

### 20 May 2021 enhancements

**Table 71: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **WorkdayHR** | The **WorkdayHR** connector is enhanced to support the filtering of Employees based on the Employee status, for Employee Endpoint. | 275544 |

### 6 May 2021 enhancements

**Table 72: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **WorkdayHR** | The **WorkdayHR** connector is enhanced to support Matrix OrgType including hierarchy and references. | 270139 |
| **WorkdayHR** | The **WorkdayHR** connector is enhanced to support additional attributes for **Employee endpoint - Full_Time_ Equivalent_Percentage**, **User_Language__Reference** and **Preferred User_Language__Reference**. | 272975 |
| **WorkdayHR** | The **WorkdayHR** connector is enhanced to support a generic approach for Custom Organizations to ensure availability of Custom Organizations in the Response for Employee **GET** operation. | 272976 |
| **SAP Cloud for Customer** | The **SAP Cloud for Customer** connector is enhanced to support ValidityStartDate and ValidityEndDate upon account creation to handle short term contractors | 273410 |

### 22 April 2021 enhancements

**Table 73: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **WorkdayHR** | The **WorkdayHR** connector is enhanced to return the gender and phone information based on customer Phone Type ID and phone information for Work. | 270811 |
| **DayForce** | The **Dayforce** connector is enhanced to support some new attributes of **Employee** object type for better integration at the user end. | 270408 |

### 8 April 2021 enhancements

**Table 74: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Dayforce** | The **Dayforce** connector is enhanced to have some new Employee object type attributes added to ensure functioning of the customer site integration | 270408 |

### 25 March 2021 enhancements

**Table 75: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **WorkdayHR** | The **WorkdayHR** connector has been enhanced to support write-back of the SAM Account Name, and User Name to the target system | 261351 |

### 15 March 2021 enhancements

**Table 76: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **SuccessFactors** | **SuccessFactors** connector is enhanced to support the filtering of User objects | 258299 |

### 11 March 2021 enhancements

**Table 77: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Salesforce** | Starling Connect users can now check passwords and permissions in **Salesforce**. | 264665 |

### 25 February 2021 enhancements

**Table 78: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **WorkdayHR** | The **WorkdayHR** connector has been enhanced to have the attribute for "management level" under employee resource. | 264650 |

### 11 February 2021 enhancements

**Table 79: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **SuccessfactorsHR** | The naming of the custom navigational attributes in **SuccessfactorsHR** connector has been enhanced to show an attributes name with their navigation class in the schema, if any. This feature is available in the SuccessFactorsHR connector version 4.0 | 261350 |
| **Concur** | Updated **Concur** connector information and mapping details. | 264605 |
| **GSuite** | Starling Connect users can now check passwords and permissions in **GSuite** | 113874 |

### 28 January 2021 enhancements

**Table 80: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Workday HR** | The **WorkdayHR** connector has been configured to be pre-filled with the default values for Department, Division and Asset parameters. | 262616 |

### 14 January 2021 enhancements

**Table 81: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **SuccessFactorsHR** | SuccessFactorsHR connector has been enhanced to support filter conditions in all the endpoints | 259508 |

### 17 December 2020 enhancements

**Table 82: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Coupa** | Coupa Connector has been enhanced to support granular data update of Users object type and it is exclusively available with version 3.0 of the connector. | 224766 |
| **PagerDuty** | Pager Duty connector documented and included in Admin Guide | 259474 |

### 19 November 2020 enhancements

**Table 83: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **SuccessFactors HR** | The PerPhone endpoint of the connector enhanced to have Create/Update operations allowing to create and update the PerPhone information for an Employee | 257101 |
| **SuccessFactors HR** | SuccessFactors HR connector can now support the filtering of objects in the PerPhones endpoint | 255851 |
| **Workday HR** | Starling Connect Administrator can access the hierarchy data and other attributes as mapped in the Workday HR connector | 255842 |
| **Workday HR** | Delta Sync enabled for a reduced sync duration | 254864 |

### 27 August 2020 enhancements

**Table 84: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Workday HR** | Enhanced entity relationship synchronization in the workers/employee endpoint. | 243150 |
| **Workday HR** | Security enhancement by excluding personal details of the employees. | 241221 |

### 13 August 2020 enhancements

**Table 85: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **SuccessFactorsHR** | The **PerEmails** endpoint supports the creation of email records in the **PerEmail** table. | 247735 |
| **Connector** | **Enhancements** | **Work item ID** |
| **Salesforce** | The connector is enhanced to handle the filter condition provided by One Identity Manager. | 243504 |
| **Coupa** | The connector is enhanced to support the granular update of **User** object thereby updating only the attributes that are updated from the One Identity Manager end.<br>Currently, the connector updates the complete User object hence updating all the attributes in the object. | 224766 |

### 30 July 2020 enhancements

**Table 86: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **SuccessFactorsHR** | Connector is enhanced to have both the attributes **lastModifiedDateTime** and **lastModifiedDate** in the schema. The attributes can be enabled or disabled based on their instance schema. | 246083 |

### 16 July 2020 enhancements

**Table 87: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Azure AD** | The connector is enhanced to support the configuration of the multi tenant connector. | 238086 |

### 2 July 2020 enhancements

**Table 88: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **SuccessFactors** | The connector is enhanced to allow you to use the **Dynamic Group Update** operation to update the attributes of a **Dynamic Group** without removing the dynamic clause that you have added for that **Dynamic Group**.<br>This feature is available from version 2.0 onwards. In version 1.0 of the connector, the **Dynamic Group Update** function removes the existing dynamic clause that was added for the **Dynamic Group**.<br>The features supported from version 2.0 onwards are:<br>• Static Group Update (supports only **Add** and **Remove** operations for **Group Members**)<br>• Dynamic Group Update (supports **Dynamic Group Update** without removing the existing dynamic clauses)<br>NOTE: In version 1.0, only **Dynamic Group Update** is supported. **Static Group Update** | 240250 |

| Connector | Enhancements | Work item ID |
|---|---|---|
| | is not supported in version 1.0. | |
| **SuccessFactors HR** | The connector is enhanced to support the new **PerEmail** endpoint that allows you to browse and synchronize the data. It also allows you to update the email address value.<br>NOTE: This feature is available from version 3.0 onwards. It is not available in the earlier versions. | 240209 |
| **Salesforce** | The connector is enhanced to support the disable attributes feature for the **User** object.<br>NOTE This feature is available from version 4.0 onwards. It is not available in the earlier versions. | 239221 |

### 18 June enhancements

**Table 89: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Salesforce** | The connector has been enhanced to support:<br>• CRUD operation for **PermissionSets** endpoint. The newly added operations are:<br>  • Create PermissionSets<br>  • Update PermissionSets<br>  • Delete PermissionSets<br>• assigning and unasssigning Users to **PermissionSets**.<br>• to set the password for **User** object. | 237133 |

### 4 June 2020 enhancements

**Table 90: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Azure AD** | The connector has been enhanced to support the **Give consent** feature while configuring it in Starling Connect for the Azure AD single tenant application. | 235654 |

7 May 2020 enhancements

**Table 91: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **SuccessFactors HR** | The connector is enhanced to allow you to create custom attributes for all the objects in Startling Connect UI in the **Custom Attributes** section of the **Schema Configuration**.<br>NOTE: This feature is available from version 3.0 onwards. It is not available in the earlier versions. | 225305 |
| **SuccessFactors HR** | The connector is enhanced to support a new field, **dateOfBirth**, which is added as a new column on the **Employees** endpoint.<br>NOTE:<br>• This feature is available in the versions v.1.0, v.2.0 and v.3.0 of the connector.<br>• In versions v.1.0 and v.2.0, this feature is available as a minimal attribute. | 230932 |
| **SuccessFactors HR** | The connector is enhanced to allow you to retrieve the future-dated rehire records along with prehire records and the existing records in the **Employees** endpoint.<br>NOTE: This feature is available from version 2.0 onwards. It is not available in the earlier versions. | 232196 |

15 April 2020 enhancements

**Table 92: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **SuccessFactors HR** | A new version v.3.0 is available for the connector, in which, you can disable or enable the attributes of all object schemas while configuring the connector.<br>NOTE: This feature is available only in version 3.0 of the connector. It is not available in the earlier versions. | 225308 |
| **SuccessFactors** | The connector is enhanced to support the disable attribute feature. You can now disable or enable the attributes of the **User** object, including those of **Enterprise User**, while configuring the connector. | 226396 |

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Coupa** | A new version v.2.0 is available for the connector, in which, you can create custom attributes for **User** object in Starling Connect in the **Custom Attributes** section in the **Schema Configuration**.<br>NOTE:<br>• Coupa cloud application allows you to create custom attributes only for **User** objects.<br>• This feature is available only in version 2.0 of the connector.<br>• In version 1.0, the procedure to create custom attributes is different. For more information, see the section **Configuring custom attributes in Starling for Coupa v.1.0** in the **Starling Connect Hosted - One Identity Manager Administration Guide** on the Support site. | 225306 |
| **ServiceNow** | A new version v.2.0 is available for the connector, in which, you can create custom attributes for the **Users**, **Groups** and **Roles** object schemas in Starling Connect in the **Custom Attributes** section in the **Schema Configuration**.<br>NOTE:<br>• This feature is available only in version 2.0 of the connector. It is not available in version 1.0.<br>• In version 1.0, the procedure to create custom attributes is different. For more information, see the section **Configuring custom attributes in ServiceNow v.1.0** in the **Starling Connect Hosted - One Identity Manager Administration Guide** on the Support site. | 225307 |
| **Salesforce** | A new version v.3.0 is available for the connector, in which, you can create custom attributes for the **User** object schema in Starling Connect in the **Custom Attributes** section in the **Schema Configuration**.<br>NOTE: This feature is available only in version | 222093 |

| Connector | Enhancements | Work item ID |
|---|---|---|
| | 3.0 of the connector. It is not available in the earlier versions. | |

9 April 2020 enhancements

**Table 93: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Coupa** | The connector is enhanced to allow you to update the value of the property **work-confirmation-approval-limit** of the User object. Earlier, this was a **ReadOnly** property and now it is a **ReadWrite** property, which allows you to update the value. | 230324 |
| **Salesforce** | A new version v.2.0 is available for the connector, which has the below listed additional attributes for the User object:<br>• Extension.UserPreferencesContentEmailAsAndWhen<br>• Extension.UserPreferencesContentNoEmail<br>• Extension.CallCenterId<br>NOTE: This feature is available only in version 2.0 of the connector. It is not available in version 1.0. | 224429 |

26th March 2020 enhancements

**Table 94: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **RSA Archer** | A new version v.2.0 is available for the connector, in which, the following fields have been removed from User Mapping and schema:<br>• StreetAddress<br>• Locality<br>• Country<br>• PostalCode<br>NOTE: To avoid any breakage in the existing system, these changes have been implemented only in the version 2.0 of the connector. | 226015 |
| **SuccessFactors HR** | Version v.2.0 of the connector is enhanced to support the return of future hires in the current | 227655 |

| Connector | Enhancements | Work item ID |
|---|---|---|
| | **Employees** endpoint.<br>NOTE: This feature is available only in version 2.0 of the connector. It is not available in version 1.0. | |

### 12 March 2020 enhancements

**Table 95: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Okta** | The connector is enhanced to support the:<br>• display of **group type** for **Group** object.<br>• implementation of permanent delete of a **User** object in a single call. | 222270 |

### 27th February 2020 enhancements

**Table 96: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Amazon S3 AWS** | The connector is enhanced to support **Roles** endpoint. | 221506 |

### 13 February 2020 enhancements

**Table 97: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **RSA Archer** | The connector is enhanced to support the updation of the email ID of the user. | 220314 |
| **SuccessFactors HR** | A new version v.2.0 is available for the connector to support the synchronization of **Inactive Employee** objects of **SuccessFactors HR** into One Identity Manager.<br>NOTE: This feature is available only in version 2.0 of the connector. It is not available in version 1.0. | 219616 |
| **Box** | The connector is enhanced to support the addition of multiple email addresses to the user account. | 201522 |

### 30 January 2020 enhancements

**Table 98: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **SuccessFactors HR** | The connector is enhanced to support the updation of the username field for Employee Object using One Identity Manager. | 218723 |

### 6 January 2020 enhancements

**Table 99: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Coupa** | The connector is enhanced to support the custom logic to handle the **account-security-type** attribute. | 216651 |

### 19 December 2019 enhancements

**Table 100: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **SuccessFactors HR** | The connector is enhanced to support the below listed additional endpoints:<br>• PerPhone<br>• EventReason<br>• PicklistLabel<br>• PicklistOption | 186671 |

### 5 December 2019 enhancements

**Table 101: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Amazon S3 AWS** | The connector is enhanced to support the configuration of entitlements for **User** and **Group**. | 170686 |
| **SuccessFactors HR** | The connector is enhanced to support the below listed additional attributes for:<br>• Supervisor Configuration Parameters\| Minimal Attributes | 171886 |

| Connector | Enhancements | Work item ID |
|---|---|---|
| | • BusinessUnit<br>• EmpEmployment<br>• JobCode<br>• Position<br>• PerPersonal<br>• Supported objects and operations<br>• JobCode<br>• Position<br>• EmpEmployment<br>• PerPersonal | |

### 21 November 2019 enhancements

**Table 102: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| All connectors | Starling Connect is enhanced to support multiple versions of the same connector in the Starling production instance. Versioning of connectors enables administrators to choose the desired version that a customer wants to be on. | 127554 |
| **Coupa** | The connector is enhanced with the logic to handle custom attributes. | 170546 |

### 7 November 2019 enhancements

**Table 103: Connector enhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Salesforce** | The connector is enhanced to support the below listed additional attributes for:<br>• **User mapping**<br>• Groups[].value(OnDemand)<br>• Entitlements[].Value<br>• Entitlements[].Display<br>• Roles[].Value<br>• Roles[].Display<br>• **Role mapping** | 167283 |

| Connector | Enhancements | Work item ID |
|---|---|---|
| | • Id<br>• DisplayName<br>• Members[].value<br>• Members[].display<br>• Meta.Created<br>• Meta.LastModified<br>• **Profile mapping**<br>• Id<br>• DisplayName<br>• Members[].value<br>• Members[].display<br>• Meta.Created<br>• Meta.LastModified<br>• **Permission Sets mapping**<br>• Id<br>• DisplayName<br>• Members[].value<br>• Members[].display<br>• Meta.Created<br>• Meta.LastModified | |

### 24 October 2019 enhancements

**Table 104: Connector enhancements**

| | Enhancements | Work item ID |
|---|---|---|
| **Coupa** | The connector is enhanced to support additional endpoints to manage **Account Groups** and **User Groups** for **Users**. | 151683 |
| **ServiceNow** | The connector is enhanced to support dynamic custom attributes. | 153617 |

### 10 October 2019 enhancements

**Table 105: SuccessFactorsHR connector enhancements**

| | Enhancements | Work item ID |
|---|---|---|
| **SuccessFactors HR** | The connector is enhanced to support the below listed additional attribute for **Supervisor Configuration Parameters**:<br>• Minimal Attributes<br>NOTE: The default value is **false**. When the value is set to **true**, only the minimal set of attributes for all the objects including Employee, Department, Location, CostCenter will be queried from the SuccessFactors HR system. | 166908 |

### 12 September 2019 enhancements

**Table 106: Coupa connector enhancements**

| | Enhancements | Work item ID |
|---|---|---|
| **Coupa** | The connector is enhanced to support the below listed additional attribute for **User resource** type:<br>• workConfirmationApprovalLimit | 140245 |

### 29 August 2019 enhancements

**Table 107: Coupa connector enhancementsEnhancements**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Coupa** | The connector is enhanced to support the below listed additional attributes for **User resource** type:<br>• invoiceSelfApprovalLimit<br>• requisitionApprovalLimit<br>• requisitionSelfApprovalLimit<br>• contractApprovalLimit<br>• contractSelfApprovalLimit<br>• defaultChartOfAccountsName<br>• defaultAccountCode | 140143 |

| Connector | Enhancements | Work item ID |
|---|---|---|
| | • defaultAccountCodeSegment1<br>• defaultAccountCodeSegment2<br>• defaultCurrency<br>• defaultAddressLocationCode<br>• accountSecurityType<br>• businessGroupSecurityType<br>• mentionName<br>• newUser<br>• deliveryInfo | |

### 16 August 2019 enhancements

**Table 108: SuccessFactors HR connector enhancement**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **SuccessFactors HR** | **GETEmployees** api is enhanced to work with limited set of attributes so that the endpoint synchronization does not fail with disabled attributes in the **SuccessFactors HR** environment of the customer. | 127509 |

### 18 July 2019 enhancements

**Table 109: Box connector enhancement**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **Box** | The connector is enhanced to support the RFC 7643 (https://tools.ietf.org/html/rfc7643#section-2.1) IETF standards. The returnability of a property, such as, **Groups** attributes of **User** object type have to be specified by the endpoints. | 116527 |

### 4 July 2019 enhancements

**Table 110: RSA connector enhancement**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **RSA Archer** | Diagnostic logs are enhanced to collect counters for group member operations and status of the request responses. | 124018 |

### 20 June 2019 enhancements

**Table 111: Test connection enhancement**

| Connector | Enhancements | Work item ID |
|---|---|---|
| All connectors | Ability to test the connection before saving the connection parameters and credentials to ensure connectivity with the target instance. | 111615 |

### 17 October 2018 enhancements

**Table 112: RSA connector enhancement**

| Connector | Enhancements | Work item ID |
|---|---|---|
| **RSA Archer** | The connector is enhances to process *RSA Archer ISMS Groups* Object types in ready-only mode. | 78017 |

# Resolved issues

## The following issues were resolved in this release of Starling Connect .

### 26 March 2024

### Resolved issues

**Table 113: Resolved issues**

| Resolved issue | Issue ID |
|---|---|

## The following issues were resolved in previous releases of Starling Connect .

### 8 March 2024 Resolved issues

**Table 114: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **Salesforce**, the test connection from Starling UI fails in v3.0 and below. | 447638 |

## 1 March 2024 Resolved issues

**Table 115: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **Workday HR**, the filter condition fails when it passes within the brackets. | 447910 |

## 28 February 2024 Resolved issues

**Table 116: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **Salesforce**, the SPP discovery service returns error. | 446815 |

## 22 February 2024 Resolved issues

**Table 117: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **Okta**, Request to retrieve a group with large number of members times out | 446569 |

## 30 January 2024 Resolved issues

**Table 118: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **Workday HR**, support of Organization Reference Ids from List Employees and FutureDatedEmployees removed due to performance impact. | 444782 |

## 27 December 2023 Resolved issues

**Table 119: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **SuccessFactors HR,** handled the unique attributes (id) with single quotes without an error in version 10.2<br>**NOTE:** This is a breaking change with respect to the id format. | 441823 |

## 8 December 2023 Resolved issues

**Table 120: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| Salesforce connector returns only 500 accounts using account discovery | 440258 |

## 26 November 2023 Resolved issues

**Table 121: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| Missing 'value' attribute in integration field overrides in SCIM response makes it difficult to parse the complex multi-valued attributes in Identity Manager | 439666 |

## 20 November 2023 Resolved issues

**Table 122: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| The non-default token URL saved in the connector configuration gets overwritten by the default value upon editing | 439400 |

## 7 November 2023 Resolved issues

**Table 123: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **ServiceNow**, fixed a bug where custom attributes (except String type) throw an error in write operations. | 437909 |

## 26 October 2023 Resolved issues

**Table 124: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **WorkdayHR**, fixed a bug where the primary contact number of an employee couldn't be removed. | 434499 |
| In **Coupa**, schemas of the missing attributes added. | 437307 |

## 20 October 2023 Resolved issues

**Table 125: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| Fixed an error in **Salesforce**, where logging in through SPPoD using Starling connect fails | 435910 |

## 7 September 2023 Resolved issues

**Table 126: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **Salesforce**, fixed an error that didn't support double quotes (") in the filter condition value | 428446 |

## 6 September 2023 Resolved issues

**Table 127: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **Workday HR**, updated the schema to have correct mutability in v3.2 | 428229 |

## 5 September 2023 Resolved issues

**Table 128: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **Coupa**, the user's schema got a fix on the mutability of invoiceSelfApprovalLimit to readWrite | 428228 |

## 16 August 2023 Resolved issues

**Table 129: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **Salesforce**, fixed an issue where the connector didn't support empty values in filters. | 424461 |

## 14 July 2023 Resolved issues

**Table 130: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| Fixed the issue in **Salesforce**, where the "id" attribute was not supported in filtering the users. | 424205 |

## 7 July 2023 Resolved issues

**Table 131: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| Fixed an issue where the Docusign connector faced error while retrieving user details | 422779 |

## 12 June 2023 Resolved issues

**Table 132: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| Fixed an issue where the **SuccessFactors HR** connector configured with custom attributes fails to load the schemas in the Starling Connect portal. | 419946 |

## 1 June 2023 Resolved issues

**Table 133: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **Salesforce** connector, fixed an issue where membership management was not supported in Permission Set Group. | 418392 |

## 18 May 2023 Resolved issues

**Table 134: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **SuccessFactor HR**, the new SAML logic returns unauthorized error when userId is used instead of username. | 417164 |
| In **Salesforce**, while updating PermissionSet, differentiate whether the record is PermissionSet or PermissionSetGroup, throw an error if the record is PermissionSetGroup. | 416985 |
| In **ServiceNow**, the SCIM response fails to retrieve the updated manager id even when the user's manager is modified in the update user request. | 416301 |

## 4 May 2023 Resolved issues

**Table 135: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **Successfactors HR** connector, an exception is thrown when the username is not configured in the expected format in version v.6.0 and above. | 412955 |

## 11 April 2023 Resolved issues

**Table 136: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| Future dated employee synchronization fails with error on format of 'effective moment from' | 414310 |

## 9 March 2023 Resolved issues

**Table 137: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| Browsing PerPersonals endpoint results in error with status code 500 for the customer | 410361 |
| CustomObject in v10.1 gets location in meta twice when base64 encoding is turned on | 410455 |

## 9 March 2023 Resolved issues

**Table 138: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **WorkDay HR** connector, the SCIM request does not returns all objects from CustomOrgs | 409429 |

## 23 February 2023 Resolved issues

**Table 139: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In older versions of **SuccessFactorHR**, the base64 encoded ID shows up intermittently | 405655 |

## 9 February 2023 Resolved issues

**Table 140: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **WorkdayHR**, the attributes returned are not different from what defined in schemas. | 404004 |
| In **Azure Infrastructure**, the issue of error for AZResource object fixed. | 404386 |

## 12 January 2023 Resolved issues

**Table 141: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **WorkdayHR**, Unsupported filter condition returns unfiltered list instead of returning an error. | 400530 |

## 12 January 2023 Resolved issues

**Table 142: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **SuccessFactorsHR**, the "(" and ")" inside the filter value fails. | 394821 |
| In **WorkdayHR**, there is a discrepancy in resource names between resource types and resource's meta~resourceType. | 399433 |

## 29 December 2022 Resolved issues

**Table 143: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **SuccessFactorsHR**, GET fails and demands the quotes to be on pairs when id attribute has a quote within it. | 393889 |
| In **Oracle Fusion Cloud**, the sync fails as the ARS SCIM connector is not able find correct resource type for employee. | 394089 |

## 15 December 2022 Resolved issues

**Table 144: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **SuccessFactorsHR**, upon updating an employee with datetime type custom attribute fails (v9.0 onwards). | 392655 |
| In **SuccessFactorsHR**, Filter request with values having 'and' fails to parse the correct SCIM filter criteria. | 388004 |

## 3 November 2022 Resolved issues

**Table 145: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| Not able to update the primary phone number in **WorkdayHR** connector. | 386075 |

## 22 October 2022 Resolved issues

**Table 146: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **SuccessFactors**, the inactive members of a static groups via the Starling Connector cannot be removed. | 331102 |
| In **SuccessFactors**, the target API timeouts cause the connector synchronization to freeze. The timed out requests need to be retried. | 331059 |

## 14 July 2022 Resolved issues

**Table 147: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **SuccessfactorsHR**, the PicklistOptions and PickListLables return the itemsPerPage count less than 500 | 311686 |
| In **SuccessfactorsHR**, the PickListLables returns duplicate records in the LIST response | 313281 |
| In **Oracle Fusion Cloud**, the userID was not mapped under Employee schema | 314860 |

## 30 Jun 2022 Resolved issues

**Table 148: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| Oracle Fusion Schema: Membership properties should have a uniqueness of none. | 313392 |

## 2 Jun 2022 Resolved issues

**Table 149: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **Successfactors**, the correct mappings have been added for the 'locale' attribute. | 309000 |

## 19 May 2022 Resolved issues

**Table 150: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **SuccessfactorsHR**, the connector fails to regenerate the access token when OData API returns 403 | 307877 |

## 21 April 2022 Resolved issues

**Table 151: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **SuccessfactorsHR**, the attributes are missing in pagination and some of them have wrong value | 303913 |

## 7 April 2022 Resolved issues

### Table 152: General resolved issues

| Resolved issue | Issue ID |
|---|---|
| In **Workday HR**, Future Dated Endpoint is unable to read the Current Termination date | 305839 |

## 29 March 2022 Resolved issues

### Table 153: General resolved issues

| Resolved issue | Issue ID |
|---|---|
| In **WorkdayHR**, the Request Time Out time is increased on demand | 305077 |
| In **WorkdayHR**, fixed the error where a past dated Employee record shows an validation error in futureDatedEmployee endpoint | 305078 |
| In **WorkdayHR**, fixed the error where Manager WID could not be retrieved in the Employee Endpoint on the effective day of employee | 305079 |

## 24 March 2022 Resolved issues

### Table 154: General resolved issues

| Resolved issue | Issue ID |
|---|---|
| In **SuccessFactorsHR**, the resource type indication in resource representation's meta attribute and resource type descriptor (on /ResourceTypes) was inconsistent | 302685 |

## 10 March 2022 Resolved issues

### Table 155: General resolved issues

| Resolved issue | Issue ID |
|---|---|
| In **Zendesk**, OneIM gives "400 Bad Request" error during while browsing from the target system | 302058 |

## 24 February 2022 Resolved issues

**Table 156: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **WorkdayHR**, the connectivity issue from Starling portal test connection fixed | 301833 |

## 10 February 2022 Resolved issues

**Table 157: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **WorkdayHR**, the field over ride values not visible in futureDatedEm-ployees | 300360 |
| In **Successfactors HR**, the MatrixManager attribute is missing in Employee response | 299326 |

## 13 January 2022 Resolved issues

**Table 158: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **WorkdayHR**, the Descriptor parameter for Last Name Suffix data added | 298146 |

## 30 December 2021 Resolved issues

**Table 159: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **OneLogin**, the users get validation error with a non-mandatory field "locale", at the target system. | 297459 |

## 16 December 2021 Resolved issues

**Table 160: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **WorkdayHR**, NullReference Error on Last Suffix Name Data while browsing Employee EndPoint | 297259 |

## 2 December 2021 Resolved issues

**Table 161: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **WorkdayHR**, NullReference check for GetEmployeesByID in Employee Endpoint | 294335 |

## 19 November 2021 Resolved issues

**Table 162: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **WorkdayHR**, NullReference check for GetEmployeesByID in Employee Endpoint | 294335 |

## 5 November 2021 Resolved issues

**Table 163: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **OneLogin**, behavior change in the authentication API managed | 292086 |
| In **SuccessfactorsHR**, multi level navigation is not supported in version 3 and version 5 when Activate custom attributes with full name flag is off | 291868 |
| In **SuccessfactorsHR**, endpoints return an error "Invalid filter condition" when filter is applied on 'id' | 291259 |

## 21 October 2021 Resolved issues

**Table 164: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| Few endpoints in **SuccessFactorsHR** connector do not have **lastModified** attribute value in v5.0 | 290422 |
| Fixed the discrepancies in the datetime values of Position endpoint's meta attributes in **SuccessFactorsHR** | 290597 |
| In **WorkdayHR**, handled null values for **CustomOrgs** due to inconsistent data in Dev Environment | 290846 |

## 7 October 2021 Resolved issues

**Table 165: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In **SuccessFactorsHR**, the **meta.lastModified** is missing in employees endpoints in versions 4.0 | 289368 |
| Few endpoints in **SuccessFactorsHR** connector do not have **meta.lastModified** attribute in v4.0 | 289999 |

## 23 Sep 2021 Resolved issues

**Table 166: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In the Starling Connect Connectors for **SalesForce** connector, an error message is displayed if the result after applying the filters is empty. | 247684 |

## 20 Sep 2021 Resolved issues

**Table 167: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| Enhanced integration with One Identity Manager for **SuccessFactorsHR** connector, by fixing the timeout/network socket issues. | 287807 |

## 26 Aug 2021 Resolved issues

**Table 168: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| For **SuccessFactorsHR**, the Connector returns a 500 Internal Server Error, when ever there is a 451 Error from the target system. | 221148 |
| Invalid request validation error after correctly configuring the Field Override Integration System ID param in **WorkdayHR**. | 286676 |
| Target system browser throws an exception when the response from the connector is empty or null when filter conditions are applied as a system filter in one identity manager. | 258567 |
| Unable to get values of Navigational attributes with same name as of default attributes. | 259992 |
| The apostrophe (') in the filter criteria is not supported. | 282012 |

## 26 Aug 2021 Resolved issues

### Table 169: General resolved issues

| Resolved issue | Issue ID |
|---|---|
| The **SuccessfactorsHR** connector returns error 404 for the resources that exist. | 285100 |
| For the **SuccessfactorsHR**, the response code for invalid objects is Server Error 500. | 260742 |

## 12 Aug 2021 Resolved issues

### Table 170: General resolved issues

| Resolved issue | Issue ID |
|---|---|
| Connectors were unable to handle the GET requests from the resources with "/" in resource ID | 284862 |

## 23 Jul 2021 Resolved issues

### Table 171: General resolved issues

| Resolved issue | Issue ID |
|---|---|
| For **WorkdayHR**, the customer cannot create a person object in OneIM manager since the FirstName & LastName are unavailable for few Objects | 280995 |
| For **SuccessFactors HR,** Employees endpoint returns future-dated records along with effective-dated employees | 282721 |

## 15 Jul 2021 Resolved issues

### Table 172: General resolved issues

| Resolved issue | Issue ID |
|---|---|
| Handling of special characters in the SuccessFactorsHR odata API | 280995 |

## 1 Jul 2021 Resolved issues

### Table 173: General resolved issues

| Resolved issue | Issue ID |
|---|---|
| Adaptation of inclusive Language in all documents of Starling Connect Connectors | 374825 |

## 22 June 2021 Resolved issues

### Table 174: General resolved issues

| Resolved issue | Issue ID |
|---|---|
| For **Workday HR**, the worker id attribute was unavailable in the **Get All** call in the **Employee** endpoint | 278848 |

## 6 May 2021 Resolved issues

### Table 175: General resolved issues

| Resolved issue | Issue ID |
|---|---|
| **Dayforce** connector is unable to perform DeltaSync operation in Dayforce Connector. | 261979 |
| Provided a fix for the **Dayforce** connector synchronization issue due to request rate limits at the target | 272942 |

## 15 March 2021 Resolved issues

### Table 176: General resolved issues

| Resolved issue | Issue ID |
|---|---|
| **SuccessFactors** connector fails in synchronization and integration due to TimeOut and Group membership issues**.** | **267242** |
| One Identity Manager synchronization with **SuccessFactor** Starling Connect throws errors when a Dynamic Group refers another module. | **256732** |
| **SuccessFactorsHR** connector gives a 500 Internal Server Error while processing Contingent Workers. | **268675** |

## 11 February 2021 Resolved issues

### Table 177: General resolved issues

| Resolved issue | Issue ID |
|---|---|
| Removed redundant and conflicting information from **Dayforce** and **PagerDuty** connectors in One Identity admin guide | **265480** |

## 14 January 2021 Resolved issues

**Table 178: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| **Workday HR** mappings updated in the documentation according to the XML standards | 258617 |
| Documentation updated with information on writing group membership restriction to **SuccessFactor** connector | 257870 |
| Updated the admin guide with information to provide values for customer specific configuration parameters. | 260883 |

17 December 2020 Resolved issues

**Table 179: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| Provided a fix for the **PerPhones** endpoint schema to prevent synchronization project verification error and synchronization failure | 260259 |
| Updated the Admin Guide to specify the permission level required on Salesforce instance for the connector to work | 258709 |

9 December 2020 Resolved issues

**Table 180: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| Provided a fix for the **Salesforce** connector where removing the members from a group shows error | 260061 |

4 December 2020 resolved issues

**Table 181: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| Provided a fix for the custom attributes feature where the values of existing custom navigation attributes return NULL on execution of synchronization. | 259993 |

3 December 2020 resolved issues

**Table 182: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| Provided the fix for custom attributes feature having issues with **DateTime** fields not getting parsed as **DateTime** fields. | 259407 |
| Provided the fix for custom attributes feature navigation attributes that return null values on '**GET**' calls when added as custom attributes on an endpoint. | 258543 |

## 5 November 2020 resolved issues

**Table 183: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| For the **Salesforce** connector, provided a fix to change the **Name** of the **Permission Set** without affecting its **Label** . | 256743 |

22 October 2020 resolved issues

**Table 184: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| For the **SuccessFactors HR** connector, the **PerPhones** endpoint returns fewer records than expected due to incorrect mapping of **Id**. Provided a fix for the same. | 255613 |
| For the **SuccessFactors HR** connector version 3.0, the update email address operation fails when the business phone is disabled in the instance. | 255760 |

1 October 2020 resolved issues

**Table 185: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| For the **SuccessFactors HR** connector, for the **Employee** endpoint, the number of items returned per page to all versions of the connector from v.2.0, is being reduced in subsequent calls. Provided a fix for the same. | 254224 |

24 September 2020 resolved issues

**Table 186: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| For the **Facebook Workspace** connector, updated the Starling Connect Administration Guide with the steps to retrieve the API key from the target system. | 253235 |

27 August 2020 resolved issues

**Table 187: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| For the **SuccessFactors HR** connector version 3.0, the Company Value is empty on the EmpJob(Employee) endpoint. | 251345 |

2 July 2020 resolved issues

**Table 188: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| For the **Coupa** connector, de-provisioning of membership freezes in One Identity Manager for the **Roles** and **Groups** attributes of **User** object. Provided a fix for this issue. | 241799 |
| For the **SuccessFactors HR** connector, provided the fix to prevent the customer from disabling the mandatory attributes **code** and **type** in the **Positions** endpoint. | 241777 |
| For the **SuccessFactors HR** connector, disabling a sub attribute of a complex attribute in the schema of the connector, does not remove it from the query. Provided a fix for this issue. | 241797 |

18th June 2020 resolved issues

**Table 189: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| For the **Workday HR** connector, provided the fix to allow you to synchronize more than 500 objects from the application to One Identity Manager. | 239425 |
| For the **Salesforce** connector, changing the password of an user account on the One Identity Manager side, does not update the new password in the **Salesforce** application for **User Create** and **User Update** operations. The old password still works in the **Salesforce** application. Provided the fix for this issue. | 240411 |

| Resolved issue | Issue ID |
|---|---|
| For the **Coupa** connector, provided the fix for the issue of the existing value of the **InvoiceSelfApprovalLimit** attribute being removed when the value of any other attribute is updated. | 240206 |

4th June 2020 resolved issues

**Table 190: General resolved issue**

| Resolved issue | Issue ID |
|---|---|
| For the **SuccessFactors HR** connector version 3.0, provided the fix to accommodate the changes in the disabled attributes in the **Update** operation for **Employees** endpoint | 237473 |
| For the **Coupa** connector, provided the fix to unset the values of the existing approval limits. | 235518 |
| For the **Salesforce** connector, provided the fix for the **Get User by ID** query attributes for the connector v.1.0.<br>NOTE: These attributes are supported from connector version v.2.0 onwards. | 237918 |

7 May 2020 resolved issues

**Table 191: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| For the **Coupa** connector, the user creation operation fails in **OneIM8.1.2** with **HF#32901** since **Meta~location** is treated as a mandatory attribute.<br>NOTE: In **OneIM8.1.2** with **HF#32901**, when the parent attribute is declared mandatory, its child attributes are treated as mandatory. Hence, the child attribute **Meta~location** was treated as a mandatory attribute though it was declared non-mandatory in the connector Schema. | 233642 |

9 April 2020 resolved issues

**Table 192: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| Two different STS IP addresses are available, one each for the West US and East US regions. | 229285 |

12 March 2020 resolved issues

**Table 193: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| For the **Salesforce** connector, in the section **Setting a trial account on Salesforce**\| **To setup a trial account** in the Starling Connect Connectors Administration Guide, the url **https://app.getpostman.com/oauth2/callback** must be used just to configure the trial account and not as a browsing link. | 226930 |
| For the **Coupa** connector, the connector limitations were updated. | 227576 |

27th February 2020 resolved issues

**Table 194: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| For the **Coupa** connector, the logic to set **account-security-type** value has been updated with the valid account groups members count. | 223650 |

30 January 2020 resolved issues

**Table 195: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| For the **SuccessFactors** connector, the Starling Connect Connectors Administration Guide has a typo in the additional outbound IP address for West US. The correct outbound IP address is **104.40.57.101** but it was written as **10.40.57.101** in the Starling Connect Connectors Administration Guide. | 221058 |

6 January 2020 resolved issues

**Table 196: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| For the **SuccessFactors HR** connector, the Starling Connect Connectors Administration Guide should have a mapping table for the Target System Object and the corresponding endpoint. | 216825 |
| For the **SuccessFactors HR** connector, based on the performance analysis on the SR, it was found that the Employee Object synchronization is taking many hours due to the duplicate records being returned by the connector while running a synchronization using the One Identity Manager. | 216826 |

19 December 2019 resolved issues

**Table 197: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| For the **SuccessFactors HR** connector, the Starling Connect Connectors Administration Guide does not show the correct mapping of SCIM schema and target system attributes. | 215770 |
| For the **SuccessFactors HR** connecter, the **Target System Browser** does not display some columns for the **Employee** Object. | 216016 |

11 December 2019 resolved issues

**Table 198: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In Starling Connect Connectors for **SuccessFactors HR**, Error 400 is displayed while browsing **BusinessUnits**, Companies and Divisions. | 215599 |
| The Starling connector is unable to fetch some of the attributes of the **Employee** object for **SuccessFactors HR**. | 215600 |
| The **Coupa** connector has been updated to remove the custom attributes **new-user** and **delivery-info-on-user-record** from mapping and schema. This is populated based on the custom configuration in the Starling portal while registering the connector. | 184406 |

21 November 2019 resolved issues

**Table 199: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| User update operation fails when the members of **Role** or **Groups** has members without the **Id** field. | 170605 |
| Custom logic implemented in Coupa connector to handle the **account-security-type** attribute. | 170319 |
| SuccessFactorsHR Employees are not getting loaded in the target system browser and Synchronization process. | 171916 |

## 24 October 2019 resolved issues

**Table 200: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| When the Password policy is enabled in the Archer Cloud application, the update operation on the RSA Archer User Object type will fail. | 167633 |

## 1 October 2019 resolved issues

**Table 201: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| OneIM synchronization process does not get all the Users. It always takes only 500 Users from the Coupa cloud system. | 153550 |

## 4 July 2019 resolved issues

**Table 202: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In Starling Connect Connectors for SuccessFactors, performance enhancement by removing additional calls made during **User** retrieval. Logging is enabled to log the resource count in trace messages of App Insights.<br>NOTE: Update the synchronization shell or create a new synchronization shell in One Identity Manager as the changes are introduced in the schema. **Roles** and **Group** Memberships are removed in the schema. | 125091 |

## 20 June 2019 resolved issues

**Table 203: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| For the Starling Connect Connector RSA Archer, the ISMS group properties that is **leads**, **leadBackup**, and **coaches** now support multi-value. The schemas for these properties are updated from **'type': 'string'** and **'multiValued': false** to **'type': 'complex'** and **'multiValued': true**.<br>NOTE: Update the synchronization shell or create a new synchronization shell in One Identity Manager as the changes are introduced in the schema for ISMS attributes. | 121821 |

## 9 May 2019 resolved issues

**Table 204: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| Optimized logging capability by excluding 503 error code from being logged as an exception in app insights. | 113284 |

## 28 February 2019 resolved issues

**Table 205: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In Starling Connect Connectors for RSA Archer, error 500 is displayed when special characters are used during User Provisioning. | 107843 |

## 31 January 2019 resolved issues

**Table 206: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In Starling Connect Connector for RSA Archer, the connector endpoint responses are slow. | 105558 |

## 17 January 2019 resolved issues

**Table 207: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In Starling Connect Connector for ServiceNow, the password does not get encrypted. | 103029 |

## 22 November 2018 resolved issues

**Table 208: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In Starling Connect Connector for RSA Archer, it is not possible to remove a user from certain groups. | 97716 |

## 25 October 2018 resolved issues

**Table 209: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| The runtime versions of all the connectors are incorrectly pinned. | 80025 |

### 15 August 2018 resolved issues

**Table 210: General resolved issues**

| Resolved issue | Issue ID |
|---|---|
| In Salesforce instances containing huge number of users and groups, Starling Connect – Connectors may log many server exceptions. | 32425 |
| On entering wrong credentials, the Salesforce connector fails and error 500 is seen. | 51042 |
| The Salesforce TokenManager uses **.Result** instead of async/await. | 51044 |

# Known issues

The following is a list of issues, including those attributed to third-party products, known to exist at the time of release.

**Table 211: General known issues**

| Known issue | Issue ID |
|---|---|
| Changed UI config path of 'token URL' parameter results in Bad Request error in an already configured and saved Salesforce connector in Starling.<br>**Workaround**<br>1. Go to the Starling portal, edit the configured / saved connector.<br>2. Ensure all configuration parameters are filled correctly with the recommended formats.<br>3. Save the connector.<br>4. Verify the success of the synchronization. | 440135 |
| The initial full synchronization at One Identity Manager is unable to complete as the Dayforce APIs have rate limits in place and the error with HTTP status code 429 is returned when requesting more that 100 resources in a minute . | 272942 |

| Known issue | Issue ID |
| --- | --- |
| **Workaround**<br>Delay each request in the connector for a configured amount of time (say 500ms) to avoid the issue of rate limit. | |
| In the Starling Connect Connectors for SalesForce connector, unable to list the users by applying filters for **preferredLanguage** attribute. For the results to be displayed in the TargetBrowser, use an underscore (_) instead of a hyphen (-). | 247747 |
| In the Starling Connect Connectors for **Apigee** connector, **Get All Users** does not return the **displayName** as it is not available in the target system. However, **Get User by ID** returns the display name with the other available attributes of the User. | 248823 |
| In the Starling Connect Connectors for **Apigee** connector, **Create User** operation fails intermittently and an Internal Server Error 500 is displayed due to the Target system API behavior. | 249099 |
| In the Starling Connect Connectors for **Apigee** connector, the **Get All** and **Create User** operations may occasionally take more time to respond for requests. | 249101 |
| In the Starling Connect Connectors for **SalesForce** connector, unable to list the users by applying filters for all extension attributes, complex sub-attributes, and some of the core attributes. | 247888 |
| In the Starling Connect connector for **WebEx** connector, an inappropriate error message is displayed after clicking **Give Consent** on the **General Configuration** window. To resolve the issue, provide the redirect URL in the integration app of WebEx. | 246951 |
| Starling Connect does not support special characters with the exceptions of a few such as @, +, _, - and so on in the object ID, for example, **User ID** and **Group ID**.<br>The connectors that have this issue are<br>• AmazonS3AWS<br>• Crowd<br>• JiraServer<br>• Apigee | 242120 |
| In the Starling Connect connector for **Azure AD** connector, in the **Prod EU** environment, only the single tenant connector configuration is available. | 245986 |
| In Starling Connect Connector for the **Salesforce v.4.0** connector, you can disable a mandatory child attribute by disabling its parent attribute for the **User** object. For example, the mandatory child attribute **familyName** under | 242091 |

| Known issue | Issue ID |
| --- | --- |
| the parent attribute **name** in the **User** object is disabled when you disable its parent attribute. This is not the recommended practice and you should not be to disable a mandatory child attribute by disabling its non-mandatory parent attribute. | |
| In Starling Connect Connector for the **SuccessFactors HR** connector, if a custom attribute has the character **/** or **** as part of attribute navigation, you must replace these characters with **$$** when you enter the custom attribute in Starling Connect. | 233632 |
| Starling connect UI does not validate the custom attributes that are configured in the cloud application. Hence, make sure that the valid custom attributes are configured in Starling Connect UI. This is common for all connectors that allow you to configure custom attributes in Starling Connect UI. | 228146 |
| In Starling Connect Connector for the RSA Archer connector, the **GET Users** endpoint returns **\n** in the address attribute. This is in line with the response received from the RSA Archer target system API call. Starling Connect would not remove this **\n** new line character in the response to avoid displaying the complete address in a single line, without line breaks, in One Identity Manager Endpoint. | 227763 |
| In Starling Connect Connector for the Hideez connector, One Identity Manager Integration cannot use the existing synchronization templates. The endpoints provided by Hideez are different when compared to that of other Starling connectors. And, none of the existing One Identity Manager Synchronization templates that are available for SCIM Connector or CHS modules template would work with Hideez endpoints. | 220412 |
| In Starling Connect Connector for the Hideez connector, appropriate error messages are not being displayed. | 220065 |
| In Starling Connect Connector for Concur, after deleting the user on One Identity Manager, an error message is displayed that the request could not be completed successfully though the user is deleted in the target instance. Note this error does not affect the functionality as the user is already deleted. | 114620 |
| In Starling Connect Connector for SAP Cloud Platform, Password Policy must be applied appropriately in One Identity Manager to enable the User Create feature to work successfully. | 51186 |
| In Starling Connect Connector for Facebook Workplace, to use a group, the group must contain at least one member. | 51185 |
| In Starling Connect Connector for Facebook Workplace, removing the last member of a group deletes the group automatically. | 51170 |
| In Starling Connect Connector for JIRA Server, deletion of a group is not | 51518 |

| Known issue | Issue ID |
|---|---|
| allowed. | |
| In Starling Connect Connector for RSA Archer, it is not possible to have multiple log-ins with the same instance. | 53534 |
| In Starling Connect Connector for JIRA Server, the *Get Specific Group* request, that has special characters from the Supervisor returns *404 Not Found* error. | 51276 |
| When an incorrect SCIM or target URL, such as an invalid cloud instance URL is configured in the Supervisor, the error code 404 and error message *Invalid cloud endpoint* must be displayed. However, the expected error code and message are not displayed in all the cases. **This issue is applicable to all the connectors**. | 54659 |
| In Starling Connect Connector for Dropbox, a user is not able to update optional field values to blank values. | 88925 |
| In Starling Connect Connector for Dropbox, results are displayed to an end user, even when the startIndex value is greater than the TotalResults. | 88927 |
| In Starling Connect Connector for RSA Archer, an error is displayed if an user is created using an incorrect locale value . | 98585 |
| In Starling Connect Connector for RSA Archer, when the last pagination request is sent, the next cursor comes up. | 99100 |
| In Starling Connect Connector for Insightly, certain Group names are not displayed in the Manager console, in the 7.1.4 version of One Identity Manager. | 102317 |
| In Starling Connect Connector for Insightly, an error is returned, in the Target system browser for Groups, in the 8.0.2 version of One Identity Manager, with HF 30426 | 102344 |
| In Starling Connect Connector for Egnyte, a successful response is received when the *Get User* operation is requested, when the **Password** field is left blank. | 104777 |
| In Starling Connect Connector for Egnyte, creation of user fails if a special character is provided in the **userName** field. | 105413 |
| In Starling Connect Connector for Egnyte, the sync fails if the number of groups is more than ten for a trial account. | 105441 |
| In Starling Connect Connector for Atlassian JIRA Confluence, the pagination for users is truncated to the first 1000 resources, beyond which the users are not displayed. | 127066 |
| In Starling Connect Connector for Atlassian JIRA Confluence, SCIM to UCI | 127068 |

| Known issue | Issue ID |
|---|---|
| synchronization does not have all the user accounts as the email address is not available in the cloud user response. | |
| In Starling Connect Connector for Coupa, the implementation of Group and Role memberships are User centric operations. This is because the Coupa target system does not provide dedicated APIs to work with Groups and Roles object types.<br>As a work around, the endpoint or client system has to be customized for successful integration of Groups and Roles memberships. | 128542 |
| When both the East US and West US App Services are not available, the 500 Internal Server Error, with the message "An Error occurred while sending the request", is displayed. This is because the Cloud application RSA Archer always returns the error message as 500 Internal Server Error. This issue is common for all connectors. | 139480 |

# System requirements

Before using the 26 March 2024 Starling Connect release, ensure that your system meets the below mentioned requirements.

**Table 212: Supported desktop browsers**

| Browser | Minimum OS/platform | Version |
|---|---|---|
| Internet Explorer | Windows 7 | 11 |
| Google Chrome | Windows 10, Mac OS X Yosemite | Latest |
| Mozilla Firefox | Windows 8.1 | Latest |
| Microsoft Edge | Windows 10 | Latest |
| Safari | Mac OS X Yosemite | See OS/Platform |
| Browser | Minimum OS/platform | Version |

**Table 213: Supported mobile browsers**

| Browser | Minimum OS/platform | Version |
|---|---|---|
| Google Chrome | Android | Latest |
| Safari | iOS | Latest |

NOTE: Starling as well as some of the services to which you can subscribe are compatible with mobile devices. Also, be aware that due to space constraints some tables may be condensed when viewed in portrait mode to only display key columns.

# Product licensing

Use of this software is governed by the Software Transaction Agreement found at http://www.oneidentity.com/legal/sta.aspx and the SaaS Addendum at http://www.oneidentity.com/legal/saas-addendum.aspx. This software requires an activation or license key to operate.

# More resources

Additional information is available from the following:

- Online product documentation
- Starling online community

# Globalization

This section contains information about installing and operating this product in non-English configurations, such as those needed by customers outside of North America. This section does not replace the materials about supported platforms and configurations found elsewhere in the product documentation.

This release is Unicode-enabled and supports any character set. In this release, all product components should be configured to use the same or compatible character encodings and should be installed to use the same locale and regional options. This release is targeted to support operations in the following regions: North America, Western Europe and Latin America, Central and Eastern Europe, Far-East Asia, Japan. It supports bidirectional writing (Arabic and Hebrew). The release supports Complex Script (Central Asia – India, Thailand).

# About us

One Identity solutions eliminate the complexities and time-consuming processes often required to govern identities, manage privileged accounts and control access. Our solutions enhance business agility while addressing your IAM challenges with on-premises, cloud and hybrid environments.

# Contacting us

For sales and other inquiries, such as licensing, support, and renewals, visit https://www.oneidentity.com/company/contact-us.aspx.

# Technical support resources

Technical support is available to One Identity customers with a valid maintenance contract and customers who have trial versions. You can access the Support Portal at https://support.oneidentity.com/.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. The Support Portal enables you to:

- Submit and manage a Service Request
- View Knowledge Base articles
- Sign up for product notifications
- Download software and technical documentation
- View how-to videos at www.YouTube.com/OneIdentity
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product

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**Legend**

**WARNING: A WARNING icon highlights a potential risk of bodily injury or property damage, for which industry-standard safety precautions are advised. This icon is often associated with electrical hazards related to hardware.**

**CAUTION: A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.**