



# Release Notes for Intelligent Automation for SAP 3.0.1

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This release notes provides an overview of the release and describe how to access caveats for Intelligent Automation for SAP 3.0.1.

## Contents

This release notes contains the following sections:

- [Introduction, page 1](#)
- [Important Information, page 2](#)
- [Licensing Information, page 3](#)
- [New Features and Enhancements, page 3](#)
- [Additional Configuration for HANA Automation Pack, page 5](#)
- [Cisco Intelligent Automation for SAP 3.0.1 Caveats, page 5](#)
- [Closed Caveats, page 5](#)
- [Open Caveats, page 6](#)
- [Related Documentation, page 7](#)

## Introduction

The Cisco Intelligent Automation for SAP solution consists of core features provided by Cisco Process Orchestrator and the Automation Packs for SAP. The solution standardizes, unifies, and automates best practices for IT processes in complex, heterogeneous environments. It helps companies shift from siloed and manual management to operational performance analysis and process automation across the data center.



While the Process Orchestrator platform provides a foundation for Enterprise IT process automation content, the SAP automation packs are specifically designed to provide content that integrates with SAP environments including SAP Solution Manager, SAP HANA, CCMS Monitoring, and ABAP or JAVA runtime environments. The SAP content provides automation content for incident response, repetitive tasks, and corrective actions.

The automation packs for SAP interface with SAP environments and include preconfigured SAP content, enabling users to automate incident response activities and orchestrate complex operational processes for SAP applications.

## Important Information

The Cisco Intelligent Automation for SAP is available as a separate download. It also consists of separate documentation and installer. Solution customers must download and install Cisco Process Orchestrator 3.0 from [cisco.com](http://cisco.com), then download and install the solution separately as a second step. For more information about installing Cisco Intelligent Automation for SAP, see *Intelligent Automation for SAP 3.0 Installation Guide*.

Points to be considered for this release—with BW Powered by SAP HANA:

- the BWA content is not applicable in the solution anymore
- some of the BW contents are also not applicable. They are listed as follows:
  - BW - Get BWA Index Reorg Plan Data
  - BW - Get Last BWA Index Reorg Status
  - BW - RSDDSTAT - Get BW 3.5 DM Statistics
  - BW - RSDDSTAT - Get BW 3.5 Header Statistics
  - BW - RSDDSTAT - Get BW 3.5 OLAP Statistics
  - BW - TREX - Get Alerts
  - BW - TREX - Get Index Status – BW - TREX - Get Landscape Status Summary
  - BW - TREX - List Indexes
  - BW - TREX - Service Statistics
  - BW - Infocube Memory Consumption - Grand Totals
  - BW - Infocube Memory Consumption - Grand Totals From Job
  - BW - Infocube Memory Consumption - Table Totals
  - BW - RSDDBIAMON2 - Get Infocube Indexes for Query
  - BW - RSRV - Data Consistency Check
  - BW - RSDDV - Create Index
  - BW - RSDDV - Delete Index
  - BW - RSDDV - Fill Index
- JDBC Adapter has been introduced in the Automation pack for SAP HANA. For more information on installation, see Process Automation Guide for HANA.

# Licensing Information

Customers who purchased prior versions of Cisco Intelligent Automation for SAP, Cisco Intelligent Automation for Cloud, Cisco Intelligent Automation for SAP, or Cisco Network Automation must request a new license code to get full access to the new features.



## Note

Cisco Intelligent Automation for Cloud and Cisco Intelligent Automation for SAP customers should wait to upgrade to Cisco Intelligent Automation for SAP 3.0.1 (see [Important Information, page 2](#)). These customers should wait to request a new license code until these solutions formally release.

When an order is placed, the customer receives their Claim Certificate. The Claim Certificate provides the Product Authorization Keys (PAK) and a link to the Cisco Product License Registration Portal where the PAK keys are registered. The licensing team will then issue the customer their keys. Customers should contact Cisco Technical Support and will be referred to the Global Licensing Organization (GLO) to request a new license code. The request should reference the original PAK key, the need for a new license code for Cisco Intelligent Automation for SAP, Cisco Intelligent Automation for Cloud, Cisco Intelligent Automation for SAP, or Cisco Network Automation and the host name on which Cisco Intelligent Automation for SAP will be installed.

After you receive the new license code, enter the license into the Cisco Intelligent Automation for SAP Update Product License dialog.

## New Features and Enhancements

The following table and subsequent sections describe additions and enhancements to Cisco Intelligent Automation for SAP 3.0.1.

**Table 1** *New and Enhanced Features in Cisco Intelligent Automation for SAP 3.0.1.*

Feature Update	Description
<b>Installation and Deployment</b>	
ITPA JDBC Adapter	JDBC Adapter connects to the SAP HANA system and runs the hdbcons command.
<b>Server/Client Platform Enhancements</b>	
Database Health - Library Buffer Quality (CCMS)	This process monitors the Oracle library cache triggered by respective Oracle CCMS alert. SQL statements are prepared in the library cache.
Database Health - Harmful Statistics (CCMS)	This process monitors the Oracle database for harmful statistics triggered by respective Oracle CCMS alert.
Database Cache Buffer Quality	This process detects and reports poor Oracle DB buffer cache triggered by respective Oracle CCMS alert.
Database Health - File Offline (CCMS)	This process detects and reports offline files on Oracle DB triggered by respective Oracle CCMS alert.
Database Health - Missing Statistics (CCMS)	This process monitors the Oracle database for missing statistics.
Database Health - Redo Log Buffer (CCMS)	This process monitors the Oracle database redo log buffers triggered by respective Oracle CCMS alert.

**Table 1** *New and Enhanced Features in Cisco Intelligent Automation for SAP 3.0.1.*

<b>Feature Update</b>	<b>Description</b>
Database Deadlock Detected (Oracle)	This process detects deadlocks reported by the database triggered by respective Oracle CCMS alert.
Database Health - BRCONNECT (Fragmented Indexes Display)	This process detects and reports the presence of fragmented indexes on an SAP/Oracle instance.
Monitor Load Balance Quality	This process checks the quality of logon load balancing across application servers in an instance.
PI - Queue Backlog Above Threshold	This process monitors PI Queue Backlog Analysis of ABAP systems.
SM - PI - Integration Engine Availability	This process raises an incident when a Solution Manager Integration Error alert is created.
SAP Java Process Monitor	This process monitors availability of Java processes.(Unix/linux).
SM - Event Detail Report	This report generates an automation summary highlighting the errors and warnings that occurred during the last 24 hours.
SM - PI - Channel Status Availability	This process raises an incident when a Solution Manager Channel Status Availability Error alert is created.
LiveCache - Bad Indexes	This process reveals bad indexes in the LiveCache database.
R3 System Trace Status	This process monitor the state of the R3 system trace.
Extended Memory Average	This process calculates and reports extended memory average consumption for SAP instances.
LiveCache OMS Memory Analysis	This process checks the memory usage of the LiveCache object management system (OMS).
SM - Insert Event for Alert	The Solution Manager Monitor receives all alerts passed from the SAP Solution Manager system, as known by the Solution Manager Target System, and records the information in the reporting database. Green alerts are closed automatically by this process.
Database Health - BRCONNECT (Harmful Statistics Display)	This process detects and reports the existence of harmful statistics on an SAP/Oracle instance.
LiveCache Out-of-Memory Exceptions	This process is triggered when the LiveCache system experiences an out-of-memory condition.
SM - PI - Advanced Adapter Engine Availability	The SM - Advanced Adapter Engine process raises an incident when a Solution Manager Advanced Adapter Engine Error alert is created.
Read Java System Logs	This process monitors java system logs.
SM - JAVA - High Garbage Collection Activity	The SM - High Garbage Collection Activity detection process raises an incident when a Solution Manager Template for Java detects a High Garbage Collection.
SM - PI - Mapping Runtime Availability	The SM - Mapping Runtime process raises an incident when a Solution Manager PI Mapping Runtime alert is created.
Check APO Inbound CIF Queues	This process detects blocked APO CIF queues on an SAP SCM instance.

# Additional Configuration for HANA Automation Pack

## Configuring SAP HANA Target

For this release, the SAP HANA Target has been enhanced to add a HANA JDBC Target. The usage of the Linux adapter is replaced with a SAP Netweaver JDBC based Adapter primarily for the hdbcons SAP HANA Linux utility. If you want to use the out of the box processes which use the monitoring and corrective actions in the hdbcons utility, you should install the SAP HANA JDBC Adapter on a SAP NetWeaver JAVA 7.3 or higher environment. The steps needed to install and configure this adapter is provided in the SAP HANA Process Automation Guide for v3.0.1.

## Cisco Intelligent Automation for SAP 3.0.1 Caveats

Use the Bug Search tool to search for a specific caveats or to search for all caveats in a release.

**Step 1** Go to <http://tools.cisco.com/bugsearch>.

**Step 2** At the Log In screen, enter your registered Cisco.com username and password; then, click **Log In**. The Bug Search page opens.



**Note** If you do not have a Cisco.com username and password, you can register for them at <http://tools.cisco.com/RPF/register/register.do>.

**Step 3** To search for a specific caveat, enter the caveat ID in the Search For field and press **Return**.

**Step 4** To search for caveats in the current release, click the **Search Bugs** tab and specify the following criteria:

- a. In the Search For field, enter **Cisco Intelligent Automation for SAP 3.0.1.1** and press **Return**. (Leave the other fields empty.)
- b. When the search results are displayed, use the filter tools to find the types of caveats you are looking for. You can search for caveats by modified date, status, severity, and so on.



**Tip** To export the results to a spreadsheet, click the **Export All to Spreadsheet** link.

## Closed Caveats

This section lists the caveats resolved in this release that may have been open in the previous releases.

Bug ID	Description
<a href="#">CSCub6107</a>	SolMan: /CISCOSM/TEO_MODIFY_ALERT function module shows up for an invalid ID instead of an error message. The error message content would provide clues to retry or create an alert if alertID is invalid.
<a href="#">CSCuc82339</a>	SolMan - Remove Trigger Started by User from some SM processes as these processes initiate new processes and information is added to it by other processes.

Bug ID	Description
<a href="#">CSCUh41888</a>	'SM - qRFC Errors' process fails in instances of empty server. Resolution includes removal of the configuration item dependency in the alert's affecting tabs.
<a href="#">CSCUh96801</a>	"SM - Resolve Not Enough Batch Resources" process failing; wrong profile. The incorrect profile is showing up due to an inaccurate variable reference (Parameter 2).
<a href="#">CSCUi25178</a>	SM - High Number of ABAP System Log Messages: An incorrect alert description is observed.
<a href="#">CSCUp58284</a>	HANA -Global CPU Statistics atomics fails during execution on HANA target systems as the logic uses deprecated HANA system table. HOST_RESOURCE_UTILIZATION_STATISTICS table needs to be picked up by HANA.
<a href="#">CSCUp58296</a>	HANA - Last Savepoints -Atomic fails for Germany Region settings. Hardcoding of the time zone format needs to be removed and made dynamic.
<a href="#">CSCUp58305</a>	HANA - Performance Load - Atomic fails for SPS07 as the logic used expects the row count to be 63 or 62 while for SPS07, the row count is around 81.The hardcoding of the number of rows and processing needs to be changed.
<a href="#">CSCUp58311</a>	HANA Backup Status Process -Initial run fails when no backup exists.
<a href="#">CSCUp85849</a>	HANA - Linux Atomics fail for SPS07 and SPS08 during initial execution as the logic used to parse the data from the terminal is not robust enough to handle the command prompt.
<a href="#">CSCUp85906</a>	Invalid Base Table error (STATISTICS_ALERT_LAST_CHECK_INFORMATION)-SPS08 is noticed in HANA. The atomics HANA - Landscape Overview and HANA Alerts need to be changed.
<a href="#">CSCUp97059</a>	The activity 'Execute Terminal Command(s)' fails during execution of a process in Cisco Process Orchestrator.
<a href="#">CSCUq14060</a>	No data displayed for HANA atomic, 'LT Replication - Master and Load Job Status' although Master and load jobs run in the SLT system.
<a href="#">CSCUq17329</a>	Error is noticed in the PI Application Error Monitor process due to incorrect target reference.

## Open Caveats

Table 2 Open Bugs

This section lists the open caveats in this release.

Bug ID	Description
<a href="#">CSCUb06193</a>	Rename the column in Solman queue browser to "Metric/Alert/Event Display Name" with Alert Name in the Queue Browser which would ease the search for Alerts.
<a href="#">CSCUh81163</a>	Activate the Solution Manager Alert Metrics to initiate output.

Bug ID	Description
<a href="#">CSCup42630</a>	A space in the data table class column title causes a syntax error during HANA Runbook process.
<a href="#">CSCup58260</a>	HANA -Atomics (HANA - Diagnosis File Sizes, HANA - Landscape Services, HANA - Largest Column Store Tables, HANA - Largest Row Store Tables) fail with negative input or decimal value.

## Related Documentation

See the [Cisco Intelligent Automation for SAP 3.0.1 Documentation Overview](#) for a list of Cisco Intelligent Automation for SAP 3.0 guides.

## Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, subscribe to *What's New in Cisco Product Documentation*, which lists all new and revised Cisco technical documentation, as an RSS feed and deliver content directly to your desktop using a reader application. The RSS feeds are a free service.

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This document is to be used in conjunction with the documents listed in the “Open Caveats” section.

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