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# IBM: WebSphere Application Server PowerPack Release Notes

Version 101

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## Overview

Version 101 of the *IBM: WebSphere Application Server PowerPack* is updated to Python 3 and addresses an issue with SQL connection errors.

- **Minimum Required SL1 Version:** 11.3.0

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## Before You Install or Upgrade

Ensure that you are running version 11.3.0 or later of SL1 before installing *IBM: WebSphere Application Server* version 101.

**NOTE:** For details on upgrading SL1, see the appropriate [Release Notes](#).

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## Installation and Upgrade Process

**TIP:** By default, installing a new version of a PowerPack will overwrite all content in that PowerPack that has already been installed on the target system. You can use the **Enable Selective PowerPack Field Protection** setting in the **Behavior Settings** page (System > Settings > Behavior) to prevent the new version of the PowerPack from overwriting local changes for some commonly customized fields.

**NOTE:** If you are currently using the Dynamic Applications in this PowerPack to monitor devices, collection errors might occur for one or two polling cycles during the installation of a new version. To prevent collection errors during an upgrade, you can optionally disable collection for monitored devices before performing the following steps and re-enable collection after the upgrade.

To install this PowerPack:

1. Familiarize yourself with the [Known Issues](#) for this release.
2. See the [Before You Install or Upgrade](#) section. If you have not done so already, upgrade your system to the 11.3.0 or later release.
3. Download the *IBM: WebSphere Application Server* version 101 PowerPack from the Support Site to a local computer.
4. Go to the **PowerPack Manager** page (System > Manage > PowerPacks). Click the **[Actions]** menu and choose *Import PowerPack*. When prompted, import *IBM: WebSphere Application Server* version 101.
5. Click the **[Install]** button. For details on installing PowerPacks, see the chapter on *Installing a PowerPack* in the **PowerPacks** manual.

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## Features

Version 101 of the *IBM: WebSphere Application Server* PowerPack includes the following features:

- Dynamic Applications to discover, model, and monitor performance metrics and collect configuration data for IBM WebSphere Application Servers, including:
  - IBM: WebSphere EJB Aggregate Stats
  - IBM: WebSphere EJB Discovery
  - IBM: WebSphere EJB Group Discovery
  - IBM: WebSphere EJB Stats
  - IBM: WebSphere JCA Stats
  - IBM: WebSphere JDBC Aggregate Stats
  - IBM: WebSphere JDBC Conn Pool Discovery
  - IBM: WebSphere JDBC Conn Pool Group Discovery
  - IBM: WebSphere JDBC Stats
  - IBM: WebSphere JVM Stats
  - IBM: WebSphere Management Config
  - IBM: WebSphere Node Discovery
  - IBM: WebSphere Server Discovery
  - IBM: WebSphere Servlet Session Aggregate Stats
  - IBM: WebSphere Servlet Session Discovery
  - IBM: WebSphere Servlet Session Group Discovery
  - IBM: WebSphere Servlet Session Stats
  - IBM: WebSphere Servlets Discovery
  - IBM: WebSphere Servlets Stats
  - IBM: WebSphere System Stats

- IBM: WebSphere ThreadPool Aggregate Stats
  - IBM: WebSphere ThreadPool Discovery
  - IBM: WebSphere ThreadPool Group Discovery
  - IBM: WebSphere ThreadPool Stats
  - IBM: WebSphere Transaction Manager Stats
  - IBM: WebSphere URL Discovery
  - IBM: WebSphere URL Stats
  - IBM: WebSphere WebApps Aggregate Stats
  - IBM: WebSphere WebApps Discovery
  - IBM: WebSphere WebApps Group Discovery
  - IBM: WebSphere WebApps Stats
- Event Policies that are triggered when IBM WebSphere Application Servers meet certain status criteria
  - An Example Credential that you can use to connect to IBM WebSphere Application Servers
  - Run Book Actions and Run Book Automation policies for classifying the root device and aligning the "IBM: WebSphere System Stats" Dynamic Application to the WebSphere node agent
  - Device Classes for each of the IBM WebSphere components that the PowerPack can monitor
    - IBM: WebSphere Node
    - IBM: WebSphere Server
    - IBM: WebSphere ThreadPool Group
    - IBM: WebSphere ThreadPools
    - IBM: WebSphere EJB
    - IBM: WebSphere JDBC Pools Group
    - IBM: WebSphere JDBC
    - IBM: WebSphere Servlet Session Group
    - IBM: WebSphere Servlet Session
    - IBM: WebSphere WebApplication Group
    - IBM: WebSphere WebApplications
    - IBM: WebSphere Servlets
    - IBM: WebSphere URL
    - IBM: WebSphere Management Device
    - IBM: WebSphere EJB Group
  - A Device Dashboard that you can use to view information about IBM WebSphere Application Server components

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## Enhancements and Issues Addressed

The following enhancements and addressed issues are included in version 101 of the *IBM: WebSphere Application Server PowerPack*:

- Updated PowerPack to Python 3
- Addressed multiple issues that caused SQL connection errors. (Support Case: 00158104; Jira ID: SOL-16597)

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## Known Issues

Version 101 of the *IBM: WebSphere Application Server PowerPack* has no known issues.

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