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# Integration Service Platform Release Notes

Version 2.0.2, rev1

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## Overview

The Integration Service platform hotfix 2.0.2 addresses an issue with the command-line utility called **iservicecontrol** that automates the deployment of the Integration Service in a cluster. This hotfix also addresses an issue with the **customer\_ci\_relation\_overrides** application variable in the "Sync Devices from SL1 to ServiceNow" integration application and an issue where a Synchronization PowerPack upgrade un-aligned any configuration objects that had been previously aligned with integration applications.

**WARNING:** If you have made any customizations to default integration applications or steps that shipped with previous versions of the Integration Service, you will need to make those customizations compatible with Python 3.6 or later *before* upgrading to version 2.0.0 or later from version 1.8.x of the Integration Service. Also, if you made any modifications to the nginx configuration or to other service configuration files outside of the **docker-compose.yml** file, you will need to modify those custom configurations before upgrading, or contact ScienceLogic Support to prevent the loss of those modifications. Please note that upgrading to version 2.0.0 or later *will* involve some downtime of the Integration Service.

This document describes:

- [Pre-install or pre-upgrade information](#)
- [The upgrade process](#)
- [The features included in version 2.0.2](#)
- [The issues addressed in version 2.0.2](#)
- [The known issues in version 2.0.2](#)

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## Before You Install or Upgrade

The Integration Service platform has the following minimum system requirements. Please note that these system requirements ultimately depend on the amount of workload you plan on running on your Integration Service:

- 8 CPUs
- 24 GB total RAM
- 100 GB total storage

**NOTE:** The Integration Service needs its own dedicated memory. Thin provisioning is not supported.

The following table offers a conservative starting point for sizing based on a typical environment (any object being processed by the Integration Service is considered a synced object):

Minimum at 1,000 Synced Objects			Minimum at 10,000 Synced Objects			Minimum at 50,000 Synced Objects		
RAM (GB)	Cores	Disk (GB)	RAM (GB)	Cores	Disk (GB)	RAM (GB)	Cores	Disk (GB)
24	8	100	36	8	100	48	8	200

All workloads are different. Storage requirements will vary based upon monitoring depth, frequency of integrations, and length of retention. Sizing recommendations may differ based on multi-SL1 stack support.

**NOTE:** The Integration Service itself does not have a specific minimum required versions for SL1 or AP2. However, certain Integration Service Synchronization PowerPack have minimum version dependencies. Please see the documentation for those Synchronization PowerPack for more information on those dependencies.

The following table lists the port access required by the Integration Service:

Source IP	Integration Service Destination	Integration Service Source Port	Destination Port	Requirement
Integration Service	SL1 API	Any	TCP 443	SL1 API Access
SL1 Run Book Action	Integration Service	Any	TCP 443	Send SL1 data to the Integration Service
Devpi	Integration Service	Any	TCP 3141	Internal Python package repository for Synchronization PowerPacks; check for self-certification for the Integration Service
Dex Server	Integration Service	Any	TCP 5556	Enable authentication for the Integration Service
Integration Service	SL1 Database	Any	TCP 7706	SL1 Database Access
Docker Visualizer	Integration Service	8081	n/a	Docker Visualizer ( <a href="http://">http://</a> only)
Couchbase Dashboard	Integration Service	8091	n/a	Couchbase Dashboard (use your Integration Service credentials)
RabbitMQ Dashboard	Integration Service	15672	n/a	RabbitMQ Dashboard (use <i>guest/guestfor</i> credentials)

ScienceLogic highly recommends that you disable all firewall session-limiting policies. Firewalls will drop HTTPS requests, which results in data loss.

**NOTE:** The Integration Service operating system is an Oracle Linux distribution, and all patches are provided within the standard Oracle Linux repositories. The patches are not provided by ScienceLogic.

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## Upgrading to Integration Service 2.0.2

This topic explains at a high level how to upgrade to Integration Service version 2.0.2. For the complete procedures for upgrading the Integration Service, see the "Upgrading the Integration Service" topic in the "Installing and Configuring the Integration Service" chapter in the *Integration Service Platform* manual.

**NOTE:** For detailed steps about *installing* the Integration Service, see the "Installing and Configuring the Integration Service" chapter in the *Integration Service Platform* manual.

The process for upgrading to version 2.0.2 from version 1.8.x of the Integration Service includes the following required steps:

1. Upgrade the host packages and Python 3.6 (previous versions of the Integration Service used Python 2.6).
2. Upgrade to Oracle 7.3 or later.
3. Upgrade to Docker version 18.09.2 or later.

**NOTE:** Integration Service version 2.0.0 or later requires the **docker-ce 18.09.2** or later version of Docker. The Integration Service ISO installs the **docker-ce 19.03.5** version of Docker by default, but if you are upgrading to this version from the RPM, you must first upgrade Docker before you upgrade the Integration Service with the RPM.

4. Install the Integration Service upgrade RPM.
5. Update the Integration Service system from Basic Authentication to OAuth 2.0.
6. Set up licensing for the Integration Service. After installation, you must license your Integration Service system to enable all of the features. For more information, see the "Managing Licenses for the Integration Service" chapter in the *Integration Service Platform* manual.

**NOTE:** If you are not deploying the Integration Service on a production or pre-production environment, you can skip the licensing process.

Please note that upgrading to version 2.0.0 or later from 1.8.x *will* involve some downtime of the Integration Service.

You can perform the upgrade steps manually, or you can run the **is\_upgrade\_to\_2.0.x.sh** script to perform the upgrade steps automatically. The script upgrades the Integration Service from 1.8.x to 2.0.0 or later.

To locate the upgrade script:

1. Go to the ScienceLogic Support site at <https://support.sciencelogic.com/s/>.
2. Click the **Product Downloads** tab and select *Integration Service*. The **Integration Service Release** page appears.
3. Click the "Integration Service 2.0" link. The **Integration Service 2.0 Release Version** page appears.
4. In the **Release Files** section, click the "1.8.X to 2.0.0 Upgrade" link for the script and click Download File. The **is\_upgrade\_to\_2.0.x.sh** script is in the **is\_upgrade\_tools.zip** file.

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## Included Features

The following features are included in Integration Service hotfix 2.0.2:

- These services are included in the Integration Service version 2.0.2:
  - **steprunner**. image: sciencelogic/is-worker:2.0.2
  - **rabbitmq**. image: sciencelogic/is-rabbit:3.7.14-3
  - **flower**. image: sciencelogic/is-worker:2.0.2
  - **scheduler**. image: sciencelogic/is-worker:2.0.2
  - **redis**. image: sciencelogic/is-redis:4.0.11-2
  - **couchbase**. image: sciencelogic/is-couchbase:2.0.2
  - **contentapi**. image: sciencelogic/is-api:2.0.2
  - **visual**. image: dockersamples/visualizer
  - **gui**. image: sciencelogic/is-gui:2.0.0
  - **pypiserver**. image: sciencelogic/is-pypi:4.8.1-2
  - **dexserver**. image: sciencelogic/is-dex:2.18.0-1

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## Issues Addressed

The following addressed issues are included in Integration Service hotfix 2.0.2:

- Addressed an issue with container versions in the command-line utility called **iservicecontrol**. This utility automates the deployment of the Integration Service in a cluster.
- Addressed an issue with how the **customer\_ci\_relation\_overrides** application variable was saved in the "Sync Devices from SL1 to ServiceNow" integration application. In previous version, you had to edit the code in the JSON Configuration editor if you wanted to add data to the **customer\_ci\_relation\_overrides** application variable.
- Addressed an issue where a Synchronization PowerPack upgrade un-aligned any configuration objects that had been previously aligned with Integration Service integration applications.

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## Known Issues

This release contains the following known issues:

- If your Integration Service system uses self-signed certificates, you will need to manually accept the certificate before you can upload Synchronization PowerPacks. Go to **https://<IP address of Integration Service>:3141/isadmin**, accept the certificate, and then log into the Integration Service. After you log in, you will be able to upload Synchronization PowerPacks.
- The *latest* tag does not exist after the initial ISO installation. This situation only affects users with custom services that point to the *latest* tag. To work around this issue, run the tag latest script manually after running the `./pull_start_iservices.sh` command:

```
python /opt/iservices/scripts/system_updates/tag_latest.py  
/opt/iservices/scripts/docker-compose.yml
```

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800-SCI-LOGIC (1-800-724-5644)

International: +1-703-354-1010