
SL1 Upgrade Planning and Checklist

Updating SL1 is a multiple-step process that you should review and plan out carefully before starting. The checklists and tables below list the different aspects that you will need to consider before upgrading to any SL1 release.

Planning the Update

Before upgrading SL1, perform the following steps that are specific to your organization:

1. Read the [release notes](#) to determine:
 - What is fixed?
 - What is new?
 - What has changed?
 - What has been deprecated?
 - What are the supported upgrade paths?
 - What are the important notes that you need to know before upgrading?
2. Read the **Known Issues** for the release. These can be found in the release notes and at <https://support.sciencelogic.com/s/knowledge/known-issues>.
3. Identify all integrations and third-party applications that access the SL1 database or manipulate data on SL1. Determine how to disable these integrations during the deployment and re-enable after deployment.
4. Identify activities and customers that will be affected by maintenance windows and schedule and inform appropriately.
5. Identify any custom work, such as changes to PowerPacks, run book automations, event policies, and dashboard widgets, and ensure that all custom work is backed up so you can restore it if necessary.

NOTE: Ensure that each SL1 node or appliance has at least 4 GB of free space in the **/var** partition for pre-upgrade and deployment. Ensure that each SL1 node or appliance has at least 1 GB of free space in **/** (the root partition) to allow you to deploy the upgrade; however, depending on the appliance type and version you are upgrading from, you might need up to 3 GB of free space in **/** (the root partition).

NOTE: The option to enable a Military Unique Deployment (MUD) configuration is not available for SL1 12.1.x or 12.2.0 installations or upgrades.

SL1 Upgrade Checklist

The checklist below provides the required steps you should consider before updating your SL1 platform to a major release version:

Step	Actions
□ 1.	Determine the recommended upgrade path availability: a. Review the SL 1 Recommended Upgrade Paths. b. Identify your target SL1 release version. c. Confirm that upgrade limitations or constraints do not apply.
□ 2.	Review your infrastructure system requirements: a. Verify that your hardware specifications meet the minimum requirements for the target version at the ScienceLogic Support site: ◦ Customer Premise-Virtual ◦ Customer Premise-Hardware ◦ Cloud-AWS ◦ Cloud-Azure b. Ensure that sufficient disk space is available on all appliances. c. Check network connectivity between all SL1 components. d. Verify DNS resolution for all SL1 appliances. e. Confirm that the current SL1 version is supported for a direct upgrade to the target version. f. Check for any required intermediate upgrades. g. Verify that all SL1 appliances are running the same version. h. Ensure that all system packages are up to date.
□ 3.	Consider the SL1 requirements: a. Review the compatibility of currently installed PowerPacks with the target SL1 version. b. Check for any custom scripts or integrations that might need updating. c. Verify that the database schema is compatible with the target version of SL1. d. Ensure that all required licenses are valid and up to date.
□ 4.	Review the SL1 Upgrade Workflow steps: 1. Plan the update. 2. Schedule maintenance windows. 3. Review pre-upgrade best practices for SL 1. 4. Verify PowerPack version compatibility. 5. Back up SSL certificates.

Step	Actions
	6. Set the timeout for PhoneHome Watchdog. (Only required if upgrading from SL1 11.1.x or earlier.) 7. Run the Pre-Upgrade Test for PhoneHome Database Servers. (Only required if upgrading from SL1 11.1.x or earlier.) 8. Adjust the timeout for slow connections. 9. Run the system status script on the Database Server or All-In-One Appliance before upgrading. 10. Update the SL1 Distributed Architecture using the System Update tool. 11. Upgrade MariaDB, if there is a version difference. 12. Reboot SL1 appliances, if needed. 13. Upgrade to Aurora 3 RDS (MySQL 8.0). (Only required if deployed on AWS and currently on Aurora 2.) 14. Restore SSL certificates. 15. Reset the timeout for PhoneHome Watchdog. (Only required if previously adjusted.) 16. Clear your system cache. 17. Update default PowerPacks. 18. Configure Subscription Billing (required one time only).
□ 5.	Run the pre-upgrade Health Checks: a. Run the built-in pre-upgrade check tool. b. Verify that all services are running and healthy. c. Check for any active alarms or critical events. d. Review system logs for any recurring errors or warnings. e. Perform a database integrity check. f. Verify that backup systems are functioning and up to date. g. Ensure that each SL1 node or appliance has at least 4 GB of free space in the <code>/var</code> partition for pre-upgrade and deployment. h. Ensure that each SL1 node or appliance has at least 1 GB of free space in <code>/</code> (the root partition) to allow you to deploy the upgrade. Depending on the appliance type and version you are upgrading from, you might need up to 3 GB of free space in <code>/</code> (the root partition).
□ 6.	Upgrade preparation steps: a. Create a full and a configuration backup of all SL1 appliances. b. Document your current configuration settings. c. Notify users of the planned maintenance window.
□ 7.	Update the SL1 Distributed Architecture: a. Download the update. b. Import the update.

Step	Actions
	c. Stage the update. d. Run the pre-upgrade check. e. Place all SL1 appliances in Maintenance Mode. f. Deploy the update. g. Remove all SL1 appliances from Maintenance Mode

SL1 Recommended Upgrade Paths

For full details on recommended upgrade paths, see the online documentation on [Updating SL1](#).

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