

SolarWinds® Certified Professional (SCP) Study Guide

SolarWinds Observability Self-Hosted Network Management



How to Use This Study Guide

This study guide includes topics found on the SolarWinds Certified Professional (SCP) Architecture and Design exam. Use the available SolarWinds documentation to search and learn more about each category.

The intention of the topics in this guide is to supplement your years of experience and hands-on training with SolarWinds products.

This guide is not all-inclusive and should only be used as a starting place for your SCP studies.

If you have a SolarWinds product under active maintenance, you have access to virtual and on-demand training.

To access SolarWinds Academy classes, follow these steps:

1. Log in to your Customer Portal account at <https://customerportal.solarwinds.com>
2. Click Education and Training > Virtual Classrooms
3. Browse the available classes and select an option:
 - Click Register Now for a live class
 - Click the on-demand link to access a recorded course video

SolarWinds Academy adds available classes to the [Virtual Classrooms calendar](#) every month.

- **Note:** SolarWinds Academy classes are additional study resources and aren't explicitly designed for the SCP exam.

For additional study resources, visit the [THWACK®](#) community.

SOLARWINDS OBSERVABILITY SELF-HOSTED NETWORK MANAGEMENT EXAM CONTENT OUTLINE

1.1 SolarWinds Observability Self-Hosted Network Device Configuration Management

(Questions related to these tasks make up 45% of the exam.)

- 1.1.1 Getting Started with Network Device Configuration
- 1.1.2 Configure File Management
- 1.1.3 Configure Change Management
- 1.1.4 Security and Compliance
- 1.1.5 Troubleshooting

1.2 SolarWinds Observability Self-Hosted User and Device Tracking

(Questions related to these tasks make up 15% of the exam.)

- 1.2.1 What Is SolarWinds Observability Self-Hosted Device Tracking?
- 1.2.2 Basic Information and Features
- 1.2.3 Setup and Configuration for Device Tracking
- 1.2.4 Detect Devices Accessing a Network
- 1.2.5 Common Uses of SolarWinds Observability Self-Hosted Device Tracking
- 1.2.6 Troubleshooting

1.3 SolarWinds Observability Self-Hosted VoIP Call and Network Quality Management

(Questions related to these tasks make up 10% of the exam.)

- 1.3.1 VoIP and Network Quality Manager
- 1.3.2 IP SLA Monitoring and Network Service Assurance Management

1.4 SolarWinds Observability Self-Hosted IP Address Manager

(Questions related to these tasks make up 30% of the exam.)

- 1.4.1 Introduction to IP Address Manager
- 1.4.2 Configuring IP Address Manager
- 1.4.3 Managing IP Address Space in IP Address Manager
- 1.4.4 Managing Subnets and IP Addresses

SOLARWINDS OBSERVABILITY SELF-HOSTED NETWORK MANAGEMENT EXAM RESOURCES

TASK	ITEM RESOURCES
1.1.1	https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_options-for-specifying-connection-information; https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_about-device-templates; https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_managing-connection-profiles; https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_config-transfer-protocols; https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_creating-and-editing-an-account; https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_how-are-device-templates-assigned-to-nodes; https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_create-device-template; https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_getting-started-add-devices-to-ncm; https://support.solarwinds.com/SuccessCenter/s/article/NCM-config-download-basic-requirements; https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_2024-1_system_requirements; https://support.solarwinds.com/SuccessCenter/s/article/NCM-Device-Command-Templates; https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_managing-nodes; https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_introduction
1.1.2	https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_what-is-a-baseline; https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_jobs; https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_select-a-job-type; https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_configuration-settings; https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_find-review-differences-baselines-configs; https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_enabling-a-new-config-type; https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_firmware-vulnerability-data; https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_config-change-template-basics; https://support.solarwinds.com/SuccessCenter/s/article/Back-up-the-F5-UCS-file-in-NCM-7-5-and-other-binary-files-such-as-tgz-and-tar; https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_editing-configuration-files; https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_downloading-configuration-files-new; https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_configuring-automated-nightly-backups; https://support.solarwinds.com/SuccessCenter/s/article/Enable-Baseline-Config-in-bulk
1.1.3	https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_enabling-and-disabling-config-change-approval; https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_setting-up-config-change-approval; https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_jobs;

	• https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_enabling-real-time-configuration-change-detection; • https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_configuring-real-time-configuration-change-detection; • https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_config-change-template-basics; • https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_enabling-a-new-config-type; • https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_creating-and-editing-an-account; • https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_setting-up-parameters
1.1.4	• https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_working-with-firmware-vulnerability-data; • https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_managing-firmware-vulnerability-settings; • https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_rules_policy_compliance_rpts; • https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_import_export_policy_reports; • https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_configuring-real-time-configuration-change-detection; • https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_policy-reports; • https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_update_view_policy_reports
1.1.5	• https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_troubleshooting-device-connections; • https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_config-transfer-protocols; • https://support.solarwinds.com/SuccessCenter/s/article/The-Interface-Config-widget-is-not-displayed-for-some-Cisco-devices; • https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_enable-configuration-change-approval; • https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_create-device-template; • https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_setting-up-config-change-approval; • https://support.solarwinds.com/SuccessCenter/s/article/Generate-session-trace-logs; • https://documentation.solarwinds.com/en/success_center/ncm/default.htm#csid=scp_getting-started-troubleshooting-howd-we-do-it
1.2.1	• https://documentation.solarwinds.com/en/success_center/udt/default.htm#csid=scp_introduction
1.2.2	• https://solarwindscore.my.site.com/SuccessCenter/s/article/General-information-on-Layer-3-polling-in-UDT; • https://documentation.solarwinds.com/en/success_center/udt/default.htm#csid=scp_device-inventory; • https://documentation.solarwinds.com/en/success_center/udt/default.htm#csid=scp_add-endpoints-to-the-white-list; • https://documentation.solarwinds.com/en/success_center/udt/default.htm#csid=scp_introduction
1.2.3	• https://documentation.solarwinds.com/en/success_center/udt/default.htm#csid=scp_rogue-devices-lists; • https://documentation.solarwinds.com/en/success_center/udt/default.htm#csid=scp_gsg-how-do-i-get-started
1.2.4	• https://documentation.solarwinds.com/en/success_center/udt/default.htm#csid=scp_manage-watch-list; • https://documentation.solarwinds.com/en/success_center/udt/default.htm#csid=scp_gsg-set-up-a-white-list

1.2.5	• https://documentation.solarwinds.com/en/success_center/udt/default.htm#cshid=scp_show-rogue-endpoint-connections-in-real-time; • https://documentation.solarwinds.com/en/success_center/udt/default.htm#cshid=scp_find-wireless-endpoint-connections; • https://documentation.solarwinds.com/en/success_center/udt/default.htm#cshid=scp_introduction; • https://documentation.solarwinds.com/en/success_center/udt/default.htm#cshid=scp_resolve-ip-address-conflicts-with-ipam-integration; • https://documentation.solarwinds.com/en/success_center/udt/default.htm#cshid=scp_device-inventory; • https://www.solarwinds.com/user-device-tracker/use-cases/switch-port-monitor
1.2.6	• https://support.solarwinds.com/SuccessCenter/s/article/UDT-Compatibility-Checker; • https://documentation.solarwinds.com/en/success_center/udt/default.htm#cshid=scp_shut-down-a-network-device-port
1.3.1	• https://documentation.solarwinds.com/en/success_center/vnqm/default.htm#cshid=scp_gsg-why-use-vnqm; • https://documentation.solarwinds.com/en/success_center/vnqm/default.htm#cshid=scp_gsg-supported-vendors; • https://documentation.solarwinds.com/en/success_center/vnqm/default.htm#cshid=scp_understanding-quality-of-service-and-ip-slas-sw254; • https://documentation.solarwinds.com/en/success_center/vnqm/default.htm#cshid=scp_gsg-troubleshoot-voip-issue; • https://documentation.solarwinds.com/en/success_center/vnqm/default.htm#cshid=scp_what-does; • https://documentation.solarwinds.com/archive/pdf/vnqm/vnqmadministratorguide_2024-2.pdf; • https://documentation.solarwinds.com/en/success_center/vnqm/default.htm#cshid=scp_mean-opinion-score-mos; • https://documentation.solarwinds.com/en/success_center/vnqm/default.htm#cshid=scp_voip-management
1.3.2	• https://documentation.solarwinds.com/en/success_center/vnqm/default.htm#cshid=scp_how-creates-operations; • https://documentation.solarwinds.com/en/success_center/vnqm/default.htm#cshid=scp_gsg-what-ip-sla-monitoring; • https://documentation.solarwinds.com/en/success_center/vnqm/default.htm#cshid=scp_understanding-quality-of-service-and-ip-slas-sw254; • https://documentation.solarwinds.com/en/success_center/vnqm/default.htm#cshid=scp_gsg-add-devices; • https://documentation.solarwinds.com/en/success_center/vnqm/default.htm#cshid=scp_gsg-add-ip-sla-operations; • https://documentation.solarwinds.com/en/success_center/vnqm/default.htm#cshid=scp_gsg-what-is-voip-monitoring; • https://documentation.solarwinds.com/archive/pdf/vnqm/vnqmadministratorguide_2024-2.pdf; • https://documentation.solarwinds.com/en/success_center/vnqm/default.htm#cshid=scp_adding-voip-udp-jitter-ip-sla-operations-to-your-devices
1.4.1	• https://support.solarwinds.com/SuccessCenter/s/article/How-hostname-resolution-works-in-IPAM; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cshid=scp_configure-subnet-scan-settings-manually
1.4.2	• https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cshid=scp_configure-subnet-scan-settings-manually; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cshid=scp_how-does-ipam-work; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cshid=scp_neighbor-scanning; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cshid=scp_bind-permissions; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cshid=scp_isc-dns

1.4.3	• https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cs hid=scp_add-ipaddresses; • https://support.solarwinds.com/SuccessCenter/s/article/Indirect-Discovery-Neighbor-Scanning-in-IPAM; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cs hid=scp_add-IPv4-subnets-addresses; • https://support.solarwinds.com/SuccessCenter/s/article/Change-the-transient-period; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cs hid=scp_configure-subnet-scan-settings-manually; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cs hid=scp_networking-concepts-and-terminology; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cs hid=scp_ip-request-access-settings; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cs hid=scp_import-ip-addresses; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cs hid=scp_ipv6-monitoring; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cs hid=scp_roles-and-privileges; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cs hid=scp_overlapping-ip-addresses; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cs hid=scp_delete-monitored-ip-addresses-from-a-defined-subnet; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cs hid=scp_ip-address-search-results-view; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cs hid=scp_organize-an-ip-address-space-into-subnets; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cs hid=scp_status-icons; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cs hid=scp_define-system-settings
1.4.4	• https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cs hid=scp_manage-subnets-and-ipaddresses; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cs hid=scp_customroles; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cs hid=scp_set-ip-address-statuses; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cs hid=scp_status-icons; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cs hid=scp_organize-an-ip-address-space-into-subnets; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cs hid=scp_ip-address-conflicts; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cs hid=scp_create-groups; • https://documentation.solarwinds.com/en/success_center/ipam/default.htm#cs hid=scp_import-ipv4-subnets-and-ip-addresses