

SAS® Viya® Administration Fast Track

Course Description

This course is a three-day immersion into a SAS Viya environment. This course provides essential topics for SAS Viya administration and demonstrates how to perform administration tasks using SAS Environment Manager and the sas-viya command-line interface to administer a SAS Viya environment.

Learn how to

- Use SAS Environment Manager and the sas-viya CLI to administer a SAS Viya environment.
- Administer programming run-time servers.
- Administer the Cloud Analytic Services (CAS) server.
- Manage CAS sessions.
- Access data in external databases.
- Manage users and groups in the SAS Viya environment.
- Integrate with an external identity management server.
- Manage credential domains in SAS Viya.
- Create and update credentials to an external server.
- Manage data and content that are used in the SAS Viya environment.
- Maintain security on SAS Viya content and functionality.
- Create and manage caslibs.
- Import data into the CAS server.
- Access data in external databases.
- Create a format library and import SAS 9.4 formats.
- Automate the refresh of data from a caslib.
- Manage SAS Viya content.
- Secure SAS Viya content and data.
- Understand the essentials of SAS Workload Management features
- Troubleshoot general authorization and CAS authorization issues.
- Use general authorization rules to control access to SAS Viya applications.
- Get started using SAS Viya Monitoring for Kubernetes to observe a SAS Viya environment.
- Find and examine the logs of SAS Viya servers and services.
- Gather audit records to examine access to SAS Viya resources.

Course Prerequisites

Before taking this course, you should have a working knowledge of Linux operating system commands. A working knowledge of Kubernetes is helpful but not required. This course addresses the SAS Viya platform.

Who Should Attend?

Administrators who support a SAS Viya environment

Course Outline

Introduction to SAS Viya Administration

- Tasks of a SAS Viya administrator
- SAS Viya Application Architecture

Identity Management

- Understanding Identity Provider Options
- Custom Groups and Roles
- Managing UIDs and GIDs in SAS Viya
- User Authentication

CAS Data Management

- Caslib management
- CAS table state management
- CAS data loading
- Managing user-defined formats

Security

- SAS Viya Authorization Fundamentals
- Working with Security Rules
- General Authorization Precedence and Inheritance
- SAS Viya Content Folder Permissions
- CAS authorization precedence and inheritance

SAS Programming Run-time

- Administration of SAS Programming Run-time
- Compute Server Configuration
- Securing SAS Programming Run-time
- Connections to Library Data Sources

Managing Workloads

- Workload Management Administration Essentials
- Queue Configuration

Observability

- Observability for SAS Viya
- SAS Viya monitoring for Kubernetes
- Log monitoring
- Metric monitoring
- Auditing

Course Duration

4 days

SAS Products Covered

SAS Viya

For More Information Please Contact: Vnohow (Thailand) Co., Ltd.

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