



SAS[®] Viya[®] 3.5 Administration: Getting Started

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Orientation to SAS Viya 3.5 Administration

Scope of this Documentation

This documentation supports administration of SAS Viya 3.5 and the following products:

- SAS Visual Analytics 8.5
- SAS Visual Statistics 8.5
- SAS Visual Data Mining and Machine Learning 8.5

Other SAS Viya products supplement this documentation with their own product-specific administrative information, as needed.

Tools for Administrators

Here are the main administrative tools:

- SAS Environment Manager. See [SAS Viya Administration: Using SAS Environment Manager](#).
- Command-line interface. See [SAS Viya Administration: Using the Command-Line Interfaces](#).
- CAS Server Monitor. See [SAS Viya Administration: Using CAS Server Monitor](#).

Types of Deployment

There are two types of deployment:

full deployment

includes all of the software to which you are entitled. This is the default type of deployment.

programming-only deployment

includes only those components that are needed to provide programmatic access to SAS Cloud Analytic Services for high-performance analytical processing of in-memory data. A programming-only deployment does not correspond to a limitation in software licensing or entitlement.

Note: A programming-only deployment excludes most visual interfaces. For example, a programming-only deployment of SAS Visual Analytics does not include the SAS Visual Analytics web application.

For details about which components are included in each deployment type, see [SAS Viya: Overview](#).

Initial Tasks in SAS Viya 3.5 Administration

Before you use these instructions, make sure that all applicable tasks in your deployment guide have been completed.

Initial Tasks: Full Deployment

- 1 Enable automated backups. See [SAS Viya Administration: Backup and Restore](#).
- 2 If you are the provider administrator in a deployment that has multiple tenants, onboard tenants. See [SAS Viya Administration: Multi-tenancy](#).
- 3 Assign members to the SAS Administrators group. See [SAS Viya Administration: Identity Management](#).

Note: For products that are outside the scope of this document, additional adjustments to memberships might be needed. See your product-specific documentation.

- 4 (Optional) Perform additional configuration. Here are key examples:
 - Reduce access to system paths. See “Paths List” in [SAS Viya Administration: SAS Cloud Analytic Services](#) and “Lock Down SAS Workspace Servers” in [SAS Viya Administration: Programming Run-Time Servers](#).
 - Enable users to add global caslibs. See “Adjust Caslib Management Privileges” in [SAS Viya Administration: SAS Cloud Analytic Services](#).
 - Limit resource consumption by CAS. See “CAS Resource Management” in [SAS Viya Administration: SAS Cloud Analytic Services](#).
- 5 Provide information to help users get started.
 - Send visual interface users the following link: [SAS Viya](#).
 - Send programmers the following link: [An Introduction to SAS Viya Programming](#).

Initial Tasks: Programming-Only Deployment

- 1 Create a backup of CAS information and configuration files. See “Backup and Restore: Programming-Only Deployments” in [SAS Viya Administration: Backup and Restore](#).
- 2 Designate CAS administrators. See “Manage CAS Roles” in [SAS Viya Administration: Using CAS Server Monitor](#).
- 3 (Optional) Perform additional configuration. Here are key examples:
 - Reduce access to system paths. See “Paths List” in [SAS Viya Administration: SAS Cloud Analytic Services](#) and “Lock Down SAS Workspace Servers” in [SAS Viya Administration: Programming Run-Time Servers](#).

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- Enable users to add global caslibs. See “Enable Users to Add Caslibs” in *SAS Viya Administration: Using CAS Server Monitor*.
 - Limit resource consumption by CAS. See “CAS Resource Management” in *SAS Viya Administration: SAS Cloud Analytic Services*.
- 4 Send programmers the following link: *An Introduction to SAS Viya Programming*.

Ongoing Tasks in SAS Viya 3.5 Administration

Ongoing Tasks: Full Deployment

Task	Instructions
Update your software	Your deployment guide.
Renew your license	“Licensing: How To Apply Licenses” in <i>SAS Viya Administration: Licensing</i>
Start and stop CAS	“SAS Cloud Analytic Services: How To (Scripts)” in <i>SAS Viya Administration: SAS Cloud Analytic Services</i>
View and manage logs	“Logging: How To” in <i>SAS Viya Administration: Logging</i>
Monitor	“Monitoring: How To (SAS Environment Manager)” in <i>SAS Viya Administration: Monitoring</i>
Add a caslib	“Making Data Available to CAS” in <i>SAS Data Explorer: User’s Guide</i>
Create a backup	“Backup and Restore: Perform a Backup” in <i>SAS Viya Administration: Backup and Restore</i>
Manage access to data	“CAS Authorization: How To (Authorization Window)” in <i>SAS® Viya Administration: CAS Authorization</i>
Manage access to content	“General Authorization: How To (Authorization Window)” in <i>SAS Viya Administration: General Authorization</i>
Manage access to functionality	<i>SAS Viya Administration: Access to Functionality</i>
Promote content	“Promotion: Overview” in <i>SAS Viya Administration: Promotion (Import and Export)</i>
Assign users to groups	“Identity Management: How To (SAS Environment Manager)” in <i>SAS Viya Administration: Identity Management</i>
Manage mobile devices	“Mobile: How To” in <i>SAS Viya Administration: Mobile</i>
Start and stop microservices	“General Servers and Services: Operate (Linux)” in <i>SAS Viya Administration: General Servers and Services</i>
Schedule and monitor jobs	“Jobs and Flows: How To (Jobs)” in <i>SAS Viya Administration: Jobs and Flows</i>
Schedule and monitor job flows	“Jobs and Flows: How To (Job Flows)” in <i>SAS Viya Administration: Jobs and Flows</i>

Ongoing Tasks: Programming-Only Deployment

Task	Instructions
Create a backup	“Backup and Restore: Programming-Only Deployments” in SAS Viya Administration: Backup and Restore
Update your software	Your deployment guide.
View and manage logs	SAS Viya Administration: Logging
Renew your license	SAS Viya Administration: Licensing
Start and stop CAS	SAS Viya Administration: SAS Cloud Analytic Services
Monitor	SAS Viya Administration: Using CAS Server Monitor
Add a caslib	SAS Viya Administration: Using CAS Server Monitor
Manage access to data	SAS Viya Administration: Using CAS Server Monitor