

SAS Platform Administration for SAS 9 exam

Securing the SAS configuration

- Secure a SAS platform configuration.
 - Use operating system controls to protect the SAS configuration directory.
- Update SAS Software
 - Regularly manage and apply hot fixes.
 - Apply SAS maintenance packs.
 - Perform SAS license updates.

Monitoring the Status and Operation of SAS Metadata Servers

- Manage metadata repositories.
 - Use the Metadata Manager plug-in to create, register, delete or unregister a repository.
 - Use the metadata folder structure to manage access to metadata.
- Identify the properties and functionality of SAS servers.
 - Identify startup order of SAS servers.
 - Explain the functionality of the object spawner.
 - Use the Server Manager plug-in to monitor SAS servers.
 - Use Environment Manager to evaluate the resources available on the SAS servers.
- Configure a SAS Metadata server cluster.
 - Configure the initial metadata server to use the network location for backups and the service login account.
 - Install and configure additional metadata server nodes.

Monitoring, Logging, and Troubleshooting SAS Servers

- Monitor SAS servers.
 - Monitor workspace servers and stored process servers.
 - Use the SAS Environment Manager to view server resources.
- Administer SAS server logging and modify logging configurations.
 - Change logging levels and locate logs.
 - Enable trace logging.
 - Explain the difference between default logging and customized logging.
 - Utilize dynamic logging.
- Troubleshoot basic SAS server issues such as server availability.

Backing Up the SAS Environment

- Backup and restore the SAS environment.
 - View backup and recovery history.
 - Run an immediate (ad hoc) backup.
 - Customize backups.
 - View information about backup and recovery sources.
 - View and modify the backup schedule.
 - Perform full or partial recovery from one of the backups.
 - Determine when to specify a central vault location.
 - Explain the limitations of the Deployment Backup and Recovery tool.
 - Use the SAS Backup Manager in Environment Manager to perform backups.
 - Use the Roll forward option with metadata backups.
 - Explain the role of the Deployment agent in the backup.

Administering Users

- Manage connection profiles.
- Manage roles.
- Register users and groups in the metadata.
 - Manage administrative access to the metadata.
- Give users access to processing servers and data servers.
- Determine when to store passwords in the metadata.
- Manage internal SAS accounts.
- Identify SAS server authentication mechanisms.

Administering Data Access

- Register libraries and tables in the metadata.
- Update table metadata.
- Pre-assign a library.
- Troubleshoot data access problems.
- Use the metadata LIBNAME engine.

Managing Metadata

- Identify how the metadata authorization layer interacts with other security layers.
- Identify where, how, and to whom metadata permissions are assigned.
- Determine the outcome of metadata authorization decisions.
- Use metadata permissions to secure metadata.
 - Use the metadata folder structure to manage access to metadata.
- Create and use Access Control Templates.
- Promote metadata and associated content.

Note: All seven sections and 27 main objectives will be tested on every exam. The expanded objectives are provided for additional explanation and define the entire domain that could be tested.