Swift- Troubleshooting

Contents

Swift- Troubleshooting

This page describes the troubleshooting scenarios for Swift service.

Interpreting _swift-validate-input-model.yml Errors

When you execute the `_swift-validate-input-model.yml` playbook it can be hard to pick out the errors being reported. If so, you view the error messages as follows:

1. Log onto the first node in the system that is running the swift-proxy-server process.

   Note: You must run the `_swift-validate-input-model.yml` playbook as mentioned in step **2** in *Deploy the Cloud* otherwise the files needed to run the `swiftlm-ring-supervisor` will not be in place on the node.

2. Execute the following command:

   ```
   sudo swiftlm-ring-supervisor --make-delta --report
   ```

   The command will report any errors or problems (see List of errors) with the input model. It also prints a summary of the ring create actions that are planned (i.e., that will occur) for the deploy phase of the process.

List of errors

You can see the list of errors and the resolution as follows:

Note: To resolve an error by changing the input, you **must** re-run the configuration processor as describe in *Run the Configuration Processor* and continue with the deploy.

1. **Example Message**: **Model Missmatch: Cannot find drive /dev/sdt on padawan-ccp-c1-m2 (192.168.245.3))**

Description	The disk model used for node **padawan-ccp-c1-m2** has drive `/dev/sdt` listed in the devices list of a device-group where Swift is the consumer. However, the `dev/sdt` device does not exist on that node.
Resolution	If a drive or controller is failed on a node, the operating system does not see the drive and hence the corresponding block device may not exist. Sometimes this is transitory and a reboot may resolve the problem. The problem may not be with `/dev/sdt`, but with another drive. For example, if `/dev/sds` is failed, when you boot the node, the drive that you expect to be called `/dev/sdt` is actually called `/dev/sds`. Alternatively, there may not be enough drives installed in the server. You can add drives. Another option is to remove `/dev/sdt` from the appropriate disk model. However, this removes the drive for all servers using the disk model .

2. **Example Message**: **Model Missmatch: Cannot find drive /dev/sdd2 on padawan-ccp-c1-m2 (192.168.245.3)**

Description	The disk model used for node **padawan-ccp-c1-m2** has drive `/dev/sdt` listed in the devices list of a device-group where Swift is the consumer. However, the partition number (2) has been specified in the model. This is not supported – only specify the block

	device name (for example `/dev/sdd`), not partition names in disk models.
Resolution	Remove the partition number from the disk model.

3. **Example Message**:**Cannot find IP address of padawan-ccp-c1-m3-swift for ring: account host: padawan-ccp-c1-m3-mgmt**

Description	The service (in this example, swift-account) is running on the node **padawan-ccp-c1-m3**. However, this node does not have a connection to the network designated for the swift-account service (i.e., the SWIFT network).
Resolution	Check the input model for which networks are configured for each node type.

4. **Example Message**:**Ring:object-2 has specified replication-policy erasure-coding-policy. Only may be specified.**

Description	Only one of replication-policy or erasure-coding-policy may be used in a ring-specification.
Resolution	Remove one of the policy type.

5. **Example Message**:**Ring: object-3 is missing a policy type (replication-policy erasure-coding-policy)**

Description	There is no replication-policy or erasure-coding-policy section in the ring-specifications for the object-0 ring.
Resolution	Add a policy type to the input model file.