

## Configuring Parameters for the Script Service for Packet Mirroring

Provide parameter substitutions with the values that are in the service definitions for the script service.

Table 1 on page 1 lists the parameters specified by the sample packet-mirroring script service. In most cases, you can use the sample script service without modification.

**Table 1: Parameter Substitutions for Packet-Mirroring Services**

Parameter Name	Description
dynAnalyzerIPAddress	RADIUS VSA that is the IP address of the analyzer device. This attribute is required.
dynAnalyzerPortNumber	RADIUS VSA that is the UDP port number of the monitoring application in the analyzer device. If specified, dynMirrorIdentifier must also be specified.
dynMirrorIdentifier	RADIUS VSA in the form of a hexadecimal string. If specified, dynAnalyzerPortNumber must also be specified.
dynClientIp	IP address of the dynamic RADIUS client.
dynClientPort	UDP port number of the dynamic RADIUS client.
dynServerIp	IP address of the C-series Controller.
dynServerPort	UDP port number of the C-series Controller.
dynSecret	Shared secret.
dynRetry	Number of retries for sending dynamic RADIUS packet when no RADIUS response is received. The retry interval is 3 seconds.

**Table 1: Parameter Substitutions for Packet-Mirroring Services** *(continued)*

Parameter Name	Description
dynConfig	<p>Content of dynamic RADIUS request packets in the format &lt; action &gt; . &lt; radiusAttributeName &gt; = &lt; pluginEventAttribute &gt; \n</p> <ul style="list-style-type: none"> <li>■ action—Action that is executed on packet content (attribute) <ul style="list-style-type: none"> <li>■ start</li> <li>■ stop</li> <li>■ start-stop</li> </ul> </li> <li>■ radiusAttributeName—Valid RADIUS attribute specified as follows: <ul style="list-style-type: none"> <li>■ Standard RADIUS attribute name or number.</li> <li>■ JUNOS VSA in one of the following formats:  vendor-specific.4874. &lt; vsa# &gt; [.salt]  26.4874. &lt; vsa# &gt; [.salt]  where .salt indicates that the attribute is MD5 salt-encrypted in the RADIUS packet.</li> </ul> </li> <li>■ pluginEventAttribute—Valid Python expression</li> <li>■ \n—New-line character included between the lines of a configuration containing multiple lines; the entire configuration must be enclosed in quotation marks</li> </ul> <p>For example:</p> <pre>start-stop.Acct-Session-Id = ifSessionId " start-stop.Acct-Session-Id = ifSessionId\nstart.vendor-specific.4874.58.salt = 1\nstart.vendor-specific.JUNIPER.Unisphere-Med-Dev-Handle.salt=custom['dynMirrorIdentifier']\nstart.vendor-specific.JUNIPER.Unisphere-Med-Ip-Address.salt=intIp(custom['dynAnalyzerIpAddress'])\nstart.vendor-specific.JUNIPER.Unisphere-Med-Port-Number.salt = int(custom['dynAnalyzerPortNumber'])\nstop.vendor-specific.4874.58.salt = 0"</pre>

To configure substitutions for the script parameters:

1. At the hierarchy for the script service, specify substitutions for the parameters. For example:

```
[edit services global service packetMirroring]
user@host# set parameter substitution [ dynAnalyzerIpAddress=10.227.6.221
dynAnalyzerPortNumber=9100 dynMirrorIdentifier=0x0000000100000001
dynSecret="secret\" dynRetry=2 dynClientIp=10.227.7.111
dynClientPort=9099 "dynConfig="start-stop.Acct-Session-Id =
ifSessionId\nstart.vendor-specific.JUNIPER.Unisphere-LI-Action.salt=1\nstart.
t.vendor-specific.JUNIPER.Unisphere-Med-Dev-Handle.salt=custom['dynMirrorIde
ntifier']\nstart.vendor-specific.JUNIPER.Unisphere-Med-Ip-Address.salt=intIp(c
ustom['dynAnalyzerIpAddress'])\nstart.vendor-specific.JUNIPER.Unisphere-Me
d-Port-Number.salt =
int(custom['dynAnalyzerPortNumber'])\nstop.vendor-specific.JUNIPER.Unisph
ere-LI-Action.salt=0\""
```

2. Verify the configuration.

```
[edit services global service packetMirroring]
user@host# show
type script;
status active;
parameter {
    substitution [ dynAnalyzerIPAddress=10.227.6.221
dynAnalyzerPortNumber=9100 dynMirrorIdentifier=0x00000000100000001
dynSecret=secret dynRetry=2 dynClientIp=10.227.7.111 dynClientPort=9099
"dynConfig=\"start-stop.Acct-Session-Id =
ifSessionId\\nstart.vendor-specific.JUNIPER.Unisphere-LI-Action.salt=
1\\nstart.vendor-specific.JUNIPER.Unisphere-Med-Dev-Handle.salt=
custom['dynMirrorIdentifier']\\nstart.vendor-specific.JUNIPER.Unisphere-Med-IP-Address.salt=

intIp(custom['dynAnalyzerIPAddress'])\\nstart.vendor-specific.JUNIPER.Unisphere-Med-Port-Number.salt
=
int(custom['dynAnalyzerPortNumber'])\\nstop.vendor-specific.JUNIPER.Unisphere-LI-Action.salt=0\"
];
}
script {
    script-type url;
    class-name net.juniper.sgmt.scriptServices.packetMirroring.LiService;
    file file:///opt/UMC/sae/lib/pm.jar;
}
```

- Related Topics**
- Configuring Packet-Mirroring Support in an SRC Network
  - Adding a Normal Service (SRC CLI)
  - Setting Parameter Values for Services (SRC CLI)
  - Customizing Service Implementations
  - Defining RADIUS Attributes for Dynamic Authorization Requests with the SAE Core API

