

# Shared Appearance Agent (SAA)

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## View SAA settings

Available in 14 starting with 14.10

**Resource URI:** /saa/settings

**Default Resource Properties:**

The resource is represented by the following properties when the GET request is performed:

Property	Description

**Specific Response Codes:** N/A

**HTTP Method:** GET

Retrieves a list with all the SAA settings in the system.

**Example:** XML format

```
<Settings>
<Setting>
<path>Uniteme-saa-config/server-udp-port</path>
<type>integer</type>
<value>5170</value>
<defaultValue>5170</defaultValue>
<label>UDP Port</label>
</Setting>
<Setting>
<path>Uniteme-saa-config/server-tcp-port</path>
<type>integer</type>
<value>5170</value>
<defaultValue>5170</defaultValue>
<label>TCP Port</label>
</Setting>
<Setting>
<path>Uniteme-saa-config/log-level</path>
<type>enum</type>
<options>
<entry>
<key>3</key>
<value>ERR</value>
</entry>
```

```
<entry>
<key>2</key>
<value>CRIT</value>
</entry>
<entry>
<key>1</key>
<value>ALERT</value>
</entry>
<entry>
<key>0</key>
<value>EMERG</value>
</entry>
<entry>
<key>7</key>
<value>DEBUG</value>
</entry>
<entry>
<key>6</key>
<value>INFO</value>
</entry>
<entry>
<key>5</key>
<value>NOTICE</value>
</entry>
<entry>
<key>4</key>
<value>WARNING</value>
</entry>
</options>
<value>5</value>
<defaultValue>5</defaultValue>
<label>Log Level</label>
</Setting>
<Setting>
<path>Uniteme-saa-config/server-min-expires</path>
<type>integer</type>
<value>300</value>
<defaultValue>300</defaultValue>
<label>Minimum Expires</label>
<description>Minimum number of seconds after which the subscribe expires</description>
```

</Setting>

<Setting>

<path>Uniteme-saa-config/server-default-expires</path>

<type>integer</type>

<value>3600</value>

<defaultValue>3600</defaultValue>

<label>Default Expires</label>

<description>Default number of seconds after which the subscribe expires</description>

</Setting>

<Setting>

<path>Uniteme-saa-config/server-max-expires</path>

<type>integer</type>

<value>86400</value>

<defaultValue>86400</defaultValue>

<label>Maximum Expires</label>

<description>Maximum number of seconds after which the subscribe expires</description>

</Setting>

<Setting>

<path>Uniteme-saa-config/notification-interval</path>

<type>integer</type>

<value>1000</value>

<defaultValue>1000</defaultValue>

<label>Notification Interval</label>

<description>The interval in milliseconds used by SAA to push partial notifications with status updates to subscribers</description>

</Setting>

<Setting>

<path>Uniteme-saa-config/enable-stack-logs</path>

<type>boolean</type>

<value>>false</value>

<defaultValue>>false</defaultValue>

<label>Enable Stack Logs</label>

<description>If checked SAA will save in the log file also the logs generated by the internal stack</description>

</Setting>

<Setting>

<path>Uniteme-saa-config/max-udp-notify-body-size</path>

<type>integer</type>

<value>64512</value>

<defaultValue>64512</defaultValue>

<label>Maximum UDP NOTIFY Body Size</label>

<description>Maximum body size for a NOTIFY message sent for a subscription done over UDP. By default this is set to 63Kb assuming 1k for SIP headers.</description>

</Setting>

<Setting>

<path>Uniteme-saa-config/max-tcp-notify-body-size</path>

<type>integer</type>

<value>10485760</value>

<defaultValue>10485760</defaultValue>

<label>Maximum TCP NOTIFY Body Size</label>

<description>Maximum body size for a NOTIFY message sent for a subscription done over TCP. By default this is set to 10Mb.</description>

</Setting>

<Setting>

<path>Uniteme-saa-config/max-notify-resend-interval-sec</path>

<type>integer</type>

<value>300</value>

<defaultValue>300</defaultValue>

<label>Maximum notify resend interval</label>

<description>Maximum value of the interval in seconds used to resend rejected notifies. By default this is set to 300 seconds. <br/>It must be greater than Notification Interval.</description>

</Setting>

<Setting>

<path>Uniteme-saa-config/max-instances-per-line</path>

<type>integer</type>

<value>63</value>

<defaultValue>63</defaultValue>

<label>Maximum appearances per line</label>

<description>Maximum number of appearances for a shared line.</description>

</Setting>

<Setting>

<path>Uniteme-saa-config/max-appearances-per-line</path>

<type>integer</type>

<value>24</value>

<defaultValue>24</defaultValue>

<label>Maximum instances per line</label>

<description>Maximum number of instances for a shared line.</description>

</Setting>

<Setting>

<path>Uniteme-saa-config/subscription-restart-interval</path>

<type>integer</type>

<value>86400</value>

<defaultValue>86400</defaultValue>

<label>Subscription restart interval</label>

<description>Time in seconds after which SAA client subscriptions are restarted.</description>

```
</Setting>
<Setting>
<path>resource-limits/fd-soft</path>
<type>integer</type>
<value>32768</value>
<defaultValue>32768</defaultValue>
<label>FD Soft</label>
<description>FD Soft resource limit</description>
</Setting>
<Setting>
<path>resource-limits/fd-hard</path>
<type>integer</type>
<value>65536</value>
<defaultValue>65536</defaultValue>
<label>FD Hard</label>
<description>FD Hard resource limit</description>
</Setting>
<Setting>
<path>resource-limits/core-enabled</path>
<type>boolean</type>
<value>>false</value>
<defaultValue>>false</defaultValue>
<label>Core Enabled</label>
<description>Core Enabled resource limit</description>
</Setting>
</Settings>
settings: [17]
0: {
  path: "Uniteme-saa-config/server-udp-port"
  type: "integer"
  options: null
  value: "5170"
  defaultValue: "5170"
  label: "UDP Port"
  description: null
}-
1: {
  path: "Uniteme-saa-config/server-tcp-port"
  type: "integer"
  options: null
```

value: "5170"

defaultValue: "5170"

label: "TCP Port"

description: null

}-

2: {

path: "Uniteme-saa-config/log-level"

type: "enum"

options: {

0: "EMERG"

1: "ALERT"

2: "CRIT"

3: "ERR"

4: "WARNING"

5: "NOTICE"

6: "INFO"

7: "DEBUG"

}-

value: "5"

defaultValue: "5"

label: "Log Level"

description: null

}-

3: {

path: "Uniteme-saa-config/server-min-expires"

type: "integer"

options: null

value: "300"

defaultValue: "300"

label: "Minimum Expires"

description: "Minimum number of seconds after which the subscribe expires"

}-

4: {

path: "Uniteme-saa-config/server-default-expires"

type: "integer"

options: null

value: "3600"

defaultValue: "3600"

label: "Default Expires"

description: "Default number of seconds after which the subscribe expires"

```
}-  
5: {  
  path: "Uniteme-saa-config/server-max-expires"  
  type: "integer"  
  options: null  
  value: "86400"  
  defaultValue: "86400"  
  label: "Maximum Expires"  
  description: "Maximum number of seconds after which the subscribe expires"  
}-  
6: {  
  path: "Uniteme-saa-config/notification-interval"  
  type: "integer"  
  options: null  
  value: "1000"  
  defaultValue: "1000"  
  label: "Notification Interval"  
  description: "The interval in milliseconds used by SAA to push partial notifications with status updates to subscribers"  
}-  
7: {  
  path: "Uniteme-saa-config/enable-stack-logs"  
  type: "boolean"  
  options: null  
  value: "false"  
  defaultValue: "false"  
  label: "Enable Stack Logs"  
  description: "If checked SAA will save in the log file also the logs generated by the internal stack"  
}-  
8: {  
  path: "Uniteme-saa-config/max-udp-notify-body-size"  
  type: "integer"  
  options: null  
  value: "64512"  
  defaultValue: "64512"  
  label: "Maximum UDP NOTIFY Body Size"  
  description: "Maximum body size for a NOTIFY message sent for a subscription done over UDP. By default this is set to 63Kb assuming 1k for SIP headers."  
}-  
9: {  
  path: "Uniteme-saa-config/max-tcp-notify-body-size"  
  type: "integer"
```

```
options: null
value: "10485760"
defaultValue: "10485760"
label: "Maximum TCP NOTIFY Body Size"
description: "Maximum body size for a NOTIFY message sent for a subscription done over TCP. By default this is set to 10Mb."
}-
10: {
path: "Uniteme-saa-config/max-notify-resend-interval-sec"
type: "integer"
options: null
value: "300"
defaultValue: "300"
label: "Maximum notify resend interval"
description: "Maximum value of the interval in seconds used to resend rejected notifies. By default this is set to 300 seconds. <br/>It must be greater than Notification Interval."
}-
11: {
path: "Uniteme-saa-config/max-instances-per-line"
type: "integer"
options: null
value: "63"
defaultValue: "63"
label: "Maximum appearances per line"
description: "Maximum number of appearances for a shared line."
}-
12: {
path: "Uniteme-saa-config/max-appearances-per-line"
type: "integer"
options: null
value: "24"
defaultValue: "24"
label: "Maximum instances per line"
description: "Maximum number of instances for a shared line."
}-
13: {
path: "Uniteme-saa-config/subscription-restart-interval"
type: "integer"
options: null
value: "86400"
defaultValue: "86400"
label: "Subscription restart interval"
```



description: "Time in seconds after which SAA client subscriptions are restarted."

}-

14: {

path: "resource-limits/fd-soft"

type: "integer"

options: null

value: "32768"

defaultValue: "32768"

label: "FD Soft"

description: "FD Soft resource limit"

}-

15: {

path: "resource-limits/fd-hard"

type: "integer"

options: null

value: "65536"

defaultValue: "65536"

label: "FD Hard"

description: "FD Hard resource limit"

}-

16: {

path: "resource-limits/core-enabled"

type: "boolean"

options: null

value: "false"

defaultValue: "false"

label: "Core Enabled"

description: "Core Enabled resource limit"

}-

-

}

JSON format

{

settings: [17]

0: {

path: "Uniteme-saa-config/server-udp-port"

type: "integer"

options: null

value: "5170"

defaultValue: "5170"

```
label: "UDP Port"
description: null
}-
1: {
path: "Uniteme-saa-config/server-tcp-port"
type: "integer"
options: null
value: "5170"
defaultValue: "5170"
label: "TCP Port"
description: null
}-
2: {
path: "Uniteme-saa-config/log-level"
type: "enum"
options: {
0: "EMERG"
1: "ALERT"
2: "CRIT"
3: "ERR"
4: "WARNING"
5: "NOTICE"
6: "INFO"
7: "DEBUG"
}-
value: "5"
defaultValue: "5"
label: "Log Level"
description: null
}-
3: {
path: "Uniteme-saa-config/server-min-expires"
type: "integer"
options: null
value: "300"
defaultValue: "300"
label: "Minimum Expires"
description: "Minimum number of seconds after which the subscribe expires"
}-
4: {
```

path: "Uniteme-saa-config/server-default-expires"

type: "integer"

options: null

value: "3600"

defaultValue: "3600"

label: "Default Expires"

description: "Default number of seconds after which the subscribe expires"

}-

5: {

path: "Uniteme-saa-config/server-max-expires"

type: "integer"

options: null

value: "86400"

defaultValue: "86400"

label: "Maximum Expires"

description: "Maximum number of seconds after which the subscribe expires"

}-

6: {

path: "Uniteme-saa-config/notification-interval"

type: "integer"

options: null

value: "1000"

defaultValue: "1000"

label: "Notification Interval"

description: "The interval in milliseconds used by SAA to push partial notifications with status updates to subscribers"

}-

7: {

path: "Uniteme-saa-config/enable-stack-logs"

type: "boolean"

options: null

value: "false"

defaultValue: "false"

label: "Enable Stack Logs"

description: "If checked SAA will save in the log file also the logs generated by the internal stack"

}-

8: {

path: "Uniteme-saa-config/max-udp-notify-body-size"

type: "integer"

options: null

value: "64512"

defaultValue: "64512"

label: "Maximum UDP NOTIFY Body Size"

description: "Maximum body size for a NOTIFY message sent for a subscription done over UDP. By default this is set to 63Kb assuming 1k for SIP headers."

}-

9: {

path: "Uniteme-saa-config/max-tcp-notify-body-size"

type: "integer"

options: null

value: "10485760"

defaultValue: "10485760"

label: "Maximum TCP NOTIFY Body Size"

description: "Maximum body size for a NOTIFY message sent for a subscription done over TCP. By default this is set to 10Mb."

}-

10: {

path: "Uniteme-saa-config/max-notify-resend-interval-sec"

type: "integer"

options: null

value: "300"

defaultValue: "300"

label: "Maximum notify resend interval"

description: "Maximum value of the interval in seconds used to resend rejected notifies. By default this is set to 300 seconds. <br/>It must be greater than Notification Interval."

}-

11: {

path: "Uniteme-saa-config/max-instances-per-line"

type: "integer"

options: null

value: "63"

defaultValue: "63"

label: "Maximum appearances per line"

description: "Maximum number of appearances for a shared line."

}-

12: {

path: "Uniteme-saa-config/max-appearances-per-line"

type: "integer"

options: null

value: "24"

defaultValue: "24"

label: "Maximum instances per line"

description: "Maximum number of instances for a shared line."

```
}-  
13: {  
  path: "Uniteme-saa-config/subscription-restart-interval"  
  type: "integer"  
  options: null  
  value: "86400"  
  defaultValue: "86400"  
  label: "Subscription restart interval"  
  description: "Time in seconds after which SAA client subscriptions are restarted."  
}-  
14: {  
  path: "resource-limits/fd-soft"  
  type: "integer"  
  options: null  
  value: "32768"  
  defaultValue: "32768"  
  label: "FD Soft"  
  description: "FD Soft resource limit"  
}-  
15: {  
  path: "resource-limits/fd-hard"  
  type: "integer"  
  options: null  
  value: "65536"  
  defaultValue: "65536"  
  label: "FD Hard"  
  description: "FD Hard resource limit"  
}-  
16: {  
  path: "resource-limits/core-enabled"  
  type: "boolean"  
  options: null  
  value: "false"  
  defaultValue: "false"  
  label: "Core Enabled"  
  description: "Core Enabled resource limit"  
}-  
-  
}
```

**Unsupported HTTP Method:** PUT, POST, DELETE

# View or modify SAA settings

Available in 14 starting with 14.10

**Resource URI:** /saa/settings/{settingPath}

## Default Resource Properties:

The resource is represented by the following properties when the GET request is performed:

Property	Description

**Specific Response Codes:** N/A

## HTTP Method: GET

Retrieves SAA options for the setting from the specified path.

**Example:** XML format

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<Setting>
<path>Uniteme-saa-config/subscription-restart-interval</path>
<type>integer</type>
<value>86400</value>
<defaultValue>86400</defaultValue>
<label>Subscription restart interval</label>
<description>Time in seconds after which SAA client subscriptions are restarted.</description>
</Setting>
```

JSON format

```
{
path: "Uniteme-saa-config/subscription-restart-interval"
type: "integer"
options: null
value: "86400"
defaultValue: "86400"
label: "Subscription restart interval"
description: "Time in seconds after which SAA client subscriptions are restarted."
}
```

## HTTP Method: PUT

Modifies SAA options options for the setting from the specified path.

## HTTP Method: DELETE

Deletes SAA options options for the setting from the specified path.

**Unsupported HTTP Method:** POST