HTTP and HTTPS Statistics Services

This chapter describes the HTTP and HTTPS Statistics service, which returns HTTP and HTTPS connection information and statistics for individual WAEs, device groups, and for the Cisco WAAS network.

This chapter contains the following sections:

HTTP Statistics Service

This section contains the following topics:

HTTP Statistics Service Syntax

This section contains the following topics:

HTTP Informational URLs

This section provides informational URLs for the HTTP Statistics service.

- Service URL: **https://<host/ip>:8443/ws/HttpStats**

- WSDL URL: **https://<host/ip>:8443/ws/HttpStats?wsdl**

  To obtain a description of all the operations and parameters for the HttpStats Web Service, submit a URL to the service with the suffix ?wsdl as follows:

  https://<host/ip>:8443/ws/HttpStats?wsdl

  To obtain management information using the Central Manager monitoring API, first call the service by using the service URL for this service as follows:

  https://<host/ip>:8443/ws/HttpStats

  Next, submit a SOAP request written in an XML format to retrieve the information.

HTTP Example Request

The following example shows an XML-formatted SOAP request perform the getOptConnCount action. he request includes the input parameters for this particular action shown in bold.

```
<?xml version="1.0" encoding="utf-8" ?>
- <soapenv:Envelope xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope">
- <soapenv:Header>
- <wsse:Security
xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd">
- <wsse:UsernameToken>
  <wsse:Username>admin</wsse:Username>
  <wsse:Password
Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">default</wsse:Password>

  </wsse:UsernameToken>
  </wsse:Security>
  </soapenv:Header>
- <soapenv:Body>
- <ns3:getOptConnCount
 xmlns:ns3="http://service.stats.ws.waas.cisco.com">
  <ns3:name
>ce-119-40</ns3:name>
  <ns3:objType
>wae</ns3:objType>
- <ns3:timeframe
>
  <ns2:endTime
 xmlns:ns2="http://util.ws.waas.cisco.com/xsd">2008-01-30T08:00:00.000Z</ns2:endTime>
  <ns2:frequency
 xmlns:ns2="http://util.ws.waas.cisco.com/xsd">lasthour</ns2:frequency>
  <ns2:startTime
 xmlns:ns2="http://util.ws.waas.cisco.com/xsd">2008-01-01T08:00:00.000Z</ns2:startTime>
  <ns2:timezone
 xmlns:ns2="http://util.ws.waas.cisco.com/xsd">UTC</ns2:timezone>
  </ns3:timeframe>
  </ns3:getOptConnCount>
  </soapenv:Body>
  </soapenv:Envelope>
```

HTTP Example Response

The following example shows the XML response that contains the output values for the **getOptConnCount** action.

```
<?xml version="1.0" encoding="utf-8" ?>
- <soapenv:Envelope xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope">
- <soapenv:Body>
- <ns:getOptConnCountResponse xmlns:ns="http://service.stats.ws.waas.cisco.com"
xmlns:ax218="http://util.ws.waas.cisco.com/xsd" xmlns:ax216="http://rmi.java/xsd"
xmlns:ax219="http://stats.ws.waas.cisco.com/xsd" xmlns:ax217="http://io.java/xsd">
- <ns:return type="com.cisco.waas.ws.stats.HttpOptConnCount">
  <ax219:endtime
>2008-04-16T17:39:17.818Z</ax219:endtime>
  <ax219:fastConnectionSetupsCount
>31</ax219:fastConnectionSetupsCount>
  <ax219:frequency
>min</ax219:frequency>
  </ns:return>
- <ns:return type="com.cisco.waas.ws.stats.HttpOptConnCount">
  <ax219:endtime>2008-04-16T17:44:18.703Z</ax219:endtime>
  <ax219:fastConnectionSetupsCount>23</ax219:fastConnectionSetupsCount>
  <ax219:frequency>min</ax219:frequency>
  </ns:return>
  </ns:getOptConnCountResponse>
```

```
    </soapenv:Body>
    </soapenv:Envelope>
```

HTTP Statistics Service Actions

The HTTP Statistics service (HttpStats Web Service) performs one or more of the following actions:

- getConnOptRate

- getConnOptType

- getMaxConnReuseCount

- getOptConnCount

- getTotalConnCount

- getUnaccelConnCount

- retrieveResponseStats

- retrieveStats

getConnOptRate

Retrieves an estimate of the connection setup time saved by HTTP AO as a function of the connection reuse and round-trip time (RTT) for establishing the original connection.

Input Parameters

Parameter	Description
name	A string that describes the name of the WAE, WAE group, or system.
objType	A string that describes the object type. Valid values include the following: • wae • waegroup • device • devicegroup • system
timeframe	A TimeFrameFilter value that includes the time interval, time zone, and frequency.

Return

The output parameter **HttpConnOptRate[]** returns a **HttpConnOptRate** value that provides the percentage that the optimized connection time saved.

Exceptions

Type	String	Description
RemoteException	HttpStatsService.getConnOptRate: ERROR:Invalid name=	The device name is invalid.

Type	String	Description
RemoteException	HttpStatsService.getConnOptRate: ERROR:Invalid objType=	The object type name is invalid.
RemoteException	HttpStatsService.getConnOptRate: ERROR:Invalid TimeFrame	The timeframe is invalid.
RemoteException	HttpStatsService.getConnOptRate: ERROR:Device does not exist.DeviceName=	The device name is not found.
RemoteException	HttpStatsService.getConnOptRate: ERROR:Device Group does not exist.DeviceGroup=	The device group name is not found.
RemoteException	HttpStatsService.getConnOptRate: ERROR:Invalid frequency=	The frequency is invalid.
RemoteException	HttpStatsService.getConnOptRate: ERROR:Invalid startTime=	The start time is invalid.
RemoteException	HttpStatsService.getConnOptRate: ERROR:Invalid endTime=	The end time is invalid.
RemoteException	HttpStatsService.getMaxConnReuseCount: ERROR:startTime should be less than endTime startTime=	The start time is less than the end time.
AxisFault	HttpStats:The Method Name is not supported. MethodName=	The method name is not supported for a given service.
AxisFault	HttpStats:The SOAP Envelope Body is Null	The SOAP envelope is missing for a given service.
AxisFault	HttpStats:The Requested WebService is not available	The service requested is not supported.
AxisFault	getConnOptRate:The SOAP Body doesn't have all the required elements	The SOAP body does not have all the required elements.

getConnOptType

Retrieves the HTTP optimization connection statistics.

Input Pararmeters

Parameter	Description
name	A string that describes the name of the WAE, WAE group, or system.

Parameter	Description
objType	A string that describes the object type. Valid values include the following: • wae • waegroup • device • devicegroup • system
timeframe	A TimeFrameFilter value that includes the time interval, time zone, and frequency.

Return

The output parameter **HttpConnOptType[]** returns a **HttpConnOptType** value that provides the connection optimization type distribution statistics.

Exceptions

Type	String	Description
RemoteException	HttpStatsService.getConnOptType:ERROR:Unable to get HttpConnOptType=	Unknown exception. See the logs to view the error.

getMaxConnReuseCount

Retrieves the maximum reuse count of a single connection.

Input Parameters

Parameter	Description
name	A string that describes the name of the WAE, WAE group, or system.
objType	A string that describes the object type. Valid values include the following: • wae • waegroup • device • devicegroup • system
timeframe	A TimeFrameFilter value that includes the time interval, time zone, and frequency.

Return

The output parameter **HttpMaxConnReuseCount[]** returns a **HttpMaxConnReuseCount** value that provides the maximum reuse count of a single connection.

Exceptions

Type	String	Description
RemoteException	HttpStatsService.getMaxConnReuseCount: ERROR:Invalid name=	The device name is invalid.
RemoteException	HttpStatsService.getMaxConnReuseCount: ERROR:Invalid objType=	The object type name is invalid.
RemoteException	HttpStatsService.getMaxConnReuseCount: ERROR:Invalid TimeFrame	The timeframe is invalid.
RemoteException	HttpStatsService.getMaxConnReuseCount: ERROR:Device does not exist.DeviceName=	The device name is not found.
RemoteException	HttpStatsService.getMaxConnReuseCount: ERROR:Device Group does not exist.DeviceGroup=	The device group name is not found.
RemoteException	HttpStatsService.getMaxConnReuseCount: ERROR:Invalid frequency=	The frequency is invalid.
RemoteException	HttpStatsService.getMaxConnReuseCount: ERROR:Invalid startTime=	The start time is invalid.
RemoteException	HttpStatsService.getMaxConnReuseCount: ERROR:Invalid endTime=	The end time is invalid.
RemoteException	HttpStatsService.getMaxConnReuseCount: ERROR:startTime should be less than endTime startTime=	The start time is less than the end time.
AxisFault	HttpStats:The Method Name is not supported. MethodName=	The method name is not supported for a given service.
AxisFault	HttpStats:The SOAP Envelope Body is Null	The SOAP envelope is missing for a given service.
AxisFault	HttpStats:The Requested WebService is not available	The service requested is not supported.
AxisFault	getMaxConnReuseCount:The SOAP Body doesn't have all the required elements	The SOAP body does not have all the required elements.

getOptConnCount

Retrieves the number of optimized HTTP connections for a WAE, WAE group, or all WAEs system wide. If you specify a time interval, the timeframe is divided into time segments. The connection count is calculated for each segment of time.

Input Parameters

Parameter	Description
name	A string that describes the name of the WAE, WAE group, or system.

Parameter	Description
objType	A string that describes the object type. Valid values include the following: • wae • waegroup • device • devicegroup • system
timeframe	A TimeFrameFilter value that includes the time interval, time zone, and frequency.

Return

The output parameter **HttpOptConnCount[]** returns a **HttpOptConnCount** value that provides an array of HTTP traffic optimized connection statistics.

Exceptions

Type	String	Description
RemoteException	HttpStatsService.getOptConnCount: ERROR:Invalid name=	The device name is invalid.
RemoteException	HttpStatsService.getOptConnCount: ERROR:Invalid objType=	The object type name is invalid.
RemoteException	HttpStatsService.getOptConnCount: ERROR:Invalid TimeFrame	The timeframe is invalid.
RemoteException	HttpStatsService.getOptConnCount: ERROR:Device does not exist.DeviceName=	The device name is not found.
RemoteException	HttpStatsService.getOptConnCount: ERROR:Device Group does not exist.DeviceGroup=	The device group name is not found.
RemoteException	HttpStatsService.getOptConnCount: ERROR:Invalid frequency=	The frequency is invalid.
RemoteException	HttpStatsService.getOptConnCount: ERROR:Invalid startTime=	The start time is invalid.
RemoteException	HttpStatsService.getOptConnCount: ERROR:Invalid endTime=	The end time is invalid.
RemoteException	HttpStatsService.getOptConnCount: ERROR:startTime should be less than endTime startTime=	The start time is less than the end time.
AxisFault	HttpStats:The Method Name is not supported. MethodName=	The method name is not supported for a given service.

Type	String	Description
AxisFault	HttpStats:The SOAP Envelope Body is Null	The SOAP envelope is missing for a given service.
AxisFault	HttpStats:The Requested WebService is not available	The service requested is not supported.
AxisFault	getOptConnCount:The SOAP Body doesn't have all the required elements	The SOAP body does not have all the required elements.

getTotalConnCount

Retrieves the total number of HTTP connections for a WAE, WAE group, or all WAEs system wide. If you specify a time interval, the timeframe is divided into time segments. The connection count is calculated for each segment of time.

Input Parameters

Parameter	Description
name	A string that describes the name of the WAE, WAE group, or system.
objType	A string that describes the object type. Valid values include the following: • wae • waegroup • device • devicegroup • system
timeframe	A TimeFrameFilter value that includes the time interval, time zone, and frequency.

Return

The output parameter **HttpTotalConnCount[]** returns a **HttpTotalConnCount** value that provides an array of HTTP traffic total connection statistics.

Exceptions

Type	String	Description
RemoteException	HttpStatsService.getTotalConnCount: ERROR:Invalid name=	The device name is invalid.
RemoteException	HttpStatsService.getTotalConnCount: ERROR:Invalid objType=	The object type name is invalid.
RemoteException	HttpStatsService.getTotalConnCount: ERROR:Invalid TimeFrame	The timeframe is invalid.
RemoteException	HttpStatsService.getTotalConnCount: ERROR:Device does not exist.DeviceName=	The device name is not found.

Type	String	Description
RemoteException	HttpStatsService.getTotalConnCount: ERROR:Device Group does not exist.DeviceGroup=	The device group name is not found.
RemoteException	HttpStatsService.getTotalConnCount: ERROR:Invalid frequency=	The frequency is invalid.
RemoteException	HttpStatsService.getTotalConnCount: ERROR:Invalid startTime=	The start time is invalid.
RemoteException	HttpStatsService.getTotalConnCount: ERROR:Invalid endTime=	The end time is invalid.
RemoteException	HttpStatsService.getTotalConnCount: ERROR:startTime should be less than endTime startTime=	The start time is less than the end time.
AxisFault	HttpStats:The Method Name is not supported. MethodName=	The method name is not supported for a given service.
AxisFault	HttpStats:The SOAP Envelope Body is Null	The SOAP envelope is missing for a given service.
AxisFault	HttpStats:The Requested WebService is not available	The service requested is not supported.
AxisFault	getTotalConnCount:The SOAP Body doesn't have all the required elements	The SOAP body does not have all the required elements.

getUnaccelConnCount

Retrieves a list of unaccelerated connection counts.

Input Pararameters

Parameter	Description
name	A string that describes the name of the WAE, WAE group, or system.
objType	A string that describes the object type. Valid values include the following: • wae • waegroup • device • devicegroup • system
timeframe	A TimeFrameFilter value that includes the time interval, time zone, and frequency.

Return

The output parameter **HttpUnaccelConnCount[]** returns a **HttpUnaccelConnCount** value that provides the number of past connections from each client type.

Exceptions

Type	String	Description
RemoteException	HttpStatsService.getUnaccelConnCount:ERROR:Unable to get HttpUnaccelConnCount=	Unknown exception. See the logs to view the error.

retrieveResponseStats

Retrieves the HTTP connection response RTT savings statistics.

Input Parameters

Parameter	Description
name	A string that describes the name of the WAE, WAE group, or system.
objType	A string that describes the object type. Valid values include the following: • wae • waegroup • device • devicegroup • system
timeframe	A TimeFrameFilter value that includes the time interval, time zone, and frequency.

Return

The output parameter **HttpResponseStats[]** returns a **HttpResponseStats** value that provides the response time savings statistics.

Exceptions

Type	String	Description
RemoteException	HttpStatsService.retrieveResponseStats:ERROR:Unable to get HttpResponseStats=	Unknown exception. See the logs to view the error.

retrieveStats

Retrieves the HTTP connection statistics, such as response times and counts per operation.

Input Pararameters

Parameter	Description
name	A string that describes the name of the WAE, WAE group, or system.

Parameter	Description
objType	A string that describes the object type. Valid values include the following: • wae • waegroup • device • devicegroup • system
timeframe	A TimeFrameFilter value that includes the time interval, time zone, and frequency.

Return

The output parameter HttpConnStats[] returns a HttpConnStats value that provides the response time, counter per operation, and other statistics.

Exceptions

Type	String	Description
RemoteException	HttpStatsService.retrieveStats: ERROR:Invalid name=	The device name is invalid.
RemoteException	HttpStatsService.retrieveStats: ERROR:Invalid objType=	The object type name is invalid.
RemoteException	HttpStatsService.retrieveStats: ERROR:Invalid TimeFrame	The timeframe is invalid.
RemoteException	HttpStatsService.retrieveStats: ERROR:Device does not exist.DeviceName=	The device name is not found.
RemoteException	HttpStatsService.retrieveStats: ERROR:Device Group does not exist.DeviceGroup=	The device group name is not found.
RemoteException	HttpStatsService.retrieveStats: ERROR:Invalid frequency=	The frequency is invalid.
RemoteException	HttpStatsService.retrieveStats: ERROR:Invalid startTime=	The start time is invalid.
RemoteException	HttpStatsService.retrieveStats: ERROR:Invalid endTime=	The end time is invalid.
RemoteException	HttpStatsService.retrieveStats: ERROR:startTime should be less than endTime startTime=	The start time is less than the end time.
AxisFault	HttpStats:The Method Name is not supported. MethodName=	The method name is not supported for a given service.

Type	String	Description
AxisFault	HttpStats:The SOAP Envelope Body is Null	The SOAP envelope is missing for a given service.
AxisFault	HttpStats:The Requested WebService is not available	The service requested is not supported.
AxisFault	retrieveStats:The SOAP Body doesn't have all the required elements	The SOAP body does not have all the required elements.

HTTPS Statistics Service

This section contains the following topics:

HTTPS Statistics Service Syntax

- Service URL: **https://<host/ip>:8443/ws/HttpsStats**

- WSDL URL: **https://<host/ip>:8443/ws/HttpsStats?wsdl**

To obtain a description of all the operations and parameters for the HttpsStats Web Service, submit a URL to the service with the suffix **?wsdl** as follows:

```
https://<host/ip>:8443/ws/HttpsStats?wsdl
```

To obtain management information using the Central Manager monitoring API, first call the service by using the service URL for this service as follows:

```
https://<host/ip>:8443/ws/HttpsStats
```

Next, submit a SOAP request written in an XML format to retrieve the information.

Example Request

The following example shows an XML-formatted SOAP request to perform the getConnOptType action. The request includes the input parameters for this particular action shown in bold.

```
<?xml version="1.0" encoding="utf-8" ?>
- <soapenv:Envelope xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope">
- <soapenv:Header>
- <wsse:Security
xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd">
- <wsse:UsernameToken>
  <wsse:Username>admin</wsse:Username>
  <wsse:Password
Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">default</wsse:Password>

  </wsse:UsernameToken>
  </wsse:Security>
  </soapenv:Header>
- <soapenv:Body>
- <ns3:getConnOptType
 xmlns:ns3="http://service.stats.ws.waas.cisco.com">
  <ns3:name
```

```
>ce-119-40</ns3:name>
  <ns3:objType
>wae</ns3:objType>
- <ns3:timeframe
>
  <ns2:endTime
 xmlns:ns2="http://util.ws.waas.cisco.com/xsd">2008-01-30T08:00:00.000Z</ns2:endTime>
  <ns2:frequency
 xmlns:ns2="http://util.ws.waas.cisco.com/xsd">lasthour</ns2:frequency>
  <ns2:startTime
 xmlns:ns2="http://util.ws.waas.cisco.com/xsd">2008-01-01T08:00:00.000Z</ns2:startTime>
  <ns2:timezone
 xmlns:ns2="http://util.ws.waas.cisco.com/xsd">UTC</ns2:timezone>
  </ns3:timeframe>
  </ns3:getConnOptType>
  </soapenv:Body>
  </soapenv:Envelope>
```

Example Response

The following example shows the XML response that contains the output values for the **getConnOptType** action.

```
<?xml version="1.0" encoding="utf-8" ?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
- <soapenv:Body>
- <ns:getConnOptTypeResponse xmlns:ns="http://service.stats.ws.waas.cisco.com"
xmlns:ax238="http://rmi.java/xsd" xmlns:ax241="http://stats.ws.waas.cisco.com/xsd"
xmlns:ax240="http://util.ws.waas.cisco.com/xsd" xmlns:ax239="http://io.java/xsd">
- <ns:return type="com.cisco.waas.ws.stats.HttpsConnOptType">
<ax241:deviceName>gowri-wae-2</ax241:deviceName>
<ax241:dreHintsFlush>0</ax241:dreHintsFlush>
<ax241:dreHintsSkipAllHeaders>0</ax241:dreHintsSkipAllHeaders>
<ax241:dreHintsSkipLz>0</ax241:dreHintsSkipLz>
<ax241:endTime>2010-10-07T04:59:57.671Z</ax241:endTime>
<ax241:frequency>min</ax241:frequency>
<ax241:locallyServedIfNotModified>0</ax241:locallyServedIfNotModified>
<ax241:locallyServedRedirect>0</ax241:locallyServedRedirect>
<ax241:locallyServedUnauthorized>0</ax241:locallyServedUnauthorized>
</ns:return>
</ns:getConnOptTypeResponse>
</soapenv:Body>
</soapenv:Envelope>
```

HTTPS Statistics Service Actions

The HTTPS service (HttpsStats Web Service) performs one or more of the following actions:

getConnOptType

Retrieves the HTTPS optimization connection statistics.

Input Parameters

Parameter	Description
name	A string that describes the name of the WAE, WAE group, or system.

Parameter	Description
objType	A string that describes the object type. Valid values include the following: • wae • waegroup • device • devicegroup • location • system
timeframe	A TimeFrameFilter value that includes the time interval, time zone, and frequency.

Return

The output parameter **HttpsConnOptType[]** returns a HttpsConnOptType value that provides the connection optimization type distribution statistics.

Exceptions

Type	String	Description
RemoteException	HttpsStatsService.getConnOptType: ERROR:Invalid name=	The device name is invalid.
RemoteException	HttpsStatsService.getConnOptType:ERROR:Unable to get HttpsConnOptType=	Unknown exception. See the logs to view the error.
RemoteException	HttpsStatsService.getConnOptType: ERROR:Invalid objType=	The object type name is invalid.
RemoteException	HttpsStatsService.getConnOptType: ERROR:Invalid TimeFrame	The timeframe is invalid.
RemoteException	HttpsStatsService.getConnOptType: ERROR:Device does not exist.DeviceName=	The device name is not found.
RemoteException	HttpsStatsService.getConnOptType: ERROR:Device Group does not exist.DeviceGroup=	The device group name is not found.
RemoteException	HttpsStatsService.getConnOptType: ERROR:Invalid frequency=	The frequency is invalid.
RemoteException	HttpsStatsService.getConnOptType: ERROR:Invalid startTime=	The start time is invalid.
RemoteException	HttpsStatsService.getConnOptType: ERROR:Invalid endTime=	The end time is invalid.
RemoteException	HttpsStatsService.getConnOptType: ERROR:startTime should be less than endTime startTime=	The start time is less than the end time.

Type	String	Description
AxisFault	HttpsStats:The Method Name is not supported. MethodName=	The method name is not supported for a given service.
AxisFault	HttpsStats:The SOAP Envelope Body is Null	The SOAP envelope is missing for a given service.
AxisFault	HttpsStats:The Requested WebService is not available	The service requested is not supported.
AxisFault	getConnOptType:The SOAP Body doesn't have all the required elements	The SOAP body does not have all the required elements.

retrieveResponseStats

Retrieves the HTTPS connection response RTT savings statistics.

Input Parameters

Parameter	Description
name	A string that describes the name of the WAE, WAE group, or system.
objType	A string that describes the object type. Valid values include the following: • wae • waegroup • device • devicegroup • location • system
timeframe	A <FIX XREF> TimeFrameFilter value that includes the time interval, time zone, and frequency.

Return

The output parameter **HttpsResponseStats[]** returns a HttpsResponseStats value that provides the response time savings statistics.

Exceptions

Type	String	Description
RemoteException	HttpsStatsService.retrieveResponseStats: ERROR:Invalid name=	The device name is invalid.
RemoteException	HttpsStatsService.retrieveResponseStats:ERROR:Unable to get HttpsResponseStats=	Unknown exception. See the logs to view the error.
RemoteException	HttpsStatsService.retrieveResponseStats: ERROR:Invalid objType=	The object type name is invalid.

Type	String	Description
RemoteException	HttpsStatsService.retrieveResponseStats: ERROR:Invalid TimeFrame	The timeframe is invalid.
RemoteException	HttpsStatsService.retrieveResponseStats: ERROR:Device does not exist.DeviceName=	The device name is not found.
RemoteException	HttpsStatsService.retrieveResponseStats: ERROR:Device Group does not exist.DeviceGroup=	The device group name is not found.
RemoteException	HttpsStatsService.retrieveResponseStats: ERROR:Invalid frequency=	The frequency is invalid.
RemoteException	HttpsStatsService.retrieveResponseStats: ERROR:Invalid startTime=	The start time is invalid.
RemoteException	HttpsStatsService.retrieveResponseStats: ERROR:Invalid endTime=	The end time is invalid.
RemoteException	HttpsStatsService.retrieveResponseStats: ERROR:startTime should be less than endTime startTime=	The start time is less than the end time.
AxisFault	HttpsStats:The Method Name is not supported. MethodName=	The method name is not supported for a given service.
AxisFault	HttpsStats:The SOAP Envelope Body is Null	The SOAP envelope is missing for a given service.
AxisFault	HttpsStats:The Requested WebService is not available	The service requested is not supported.
AxisFault	retrieveResponseStats:The SOAP Body doesn't have all the required elements	The SOAP body does not have all the required elements.

retrieveStats

Retrieves the HTTPS connection statistics, such as response times and counts per operation.

Input Parameters

Parameter	Description
name	A string that describes the name of the WAE, WAE group, or system.

Parameter	Description
objType	A string that describes the object type. Valid values include the following: • wae • waegroup • device • devicegroup • location • system
timeframe	A TimeFrameFilter value that includes the time interval, time zone, and frequency.

Return

The output parameter **HttpsStats[]** returns a HttpsStats value that provides the response time, counter per operation, and other statistics.

Exceptions

Type	String	Description
RemoteException	HttpsStatsService.retrieveStats: ERROR:Invalid name=	The device name is invalid.
RemoteException	HttpsStatsService.retrieveStats: ERROR:Invalid objType=	The object type name is invalid.
RemoteException	HttpsStatsService.retrieveStats: ERROR:Invalid TimeFrame	The timeframe is invalid.
RemoteException	HttpsStatsService.retrieveStats: ERROR:Device does not exist.DeviceName=	The device name is not found.
RemoteException	HttpsStatsService.retrieveStats: ERROR:Device Group does not exist.DeviceGroup=	The device group name is not found.
RemoteException	HttpsStatsService.retrieveStats: ERROR:Invalid frequency=	The frequency is invalid.
RemoteException	HttpsStatsService.retrieveStats: ERROR:Invalid startTime=	The start time is invalid.
RemoteException	HttpsStatsService.retrieveStats: ERROR:Invalid endTime=	The end time is invalid.
RemoteException	HttpsStatsService.retrieveStats: ERROR:startTime should be less than endTime startTime=	The start time is less than the end time.
AxisFault	HttpsStats:The Method Name is not supported. MethodName=	The method name is not supported for a given service.

Type	String	Description
AxisFault	HttpsStats:The SOAP Envelope Body is Null	The SOAP envelope is missing for a given service.
AxisFault	HttpsStats:The Requested WebService is not available	The service requested is not supported.
AxisFault	retrieveStats:The SOAP Body doesn't have all the required elements	The SOAP body does not have all the required elements.