



## CHAPTER 4

# CIFS Statistics Service

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This chapter describes the CIFS Statistics service, which returns the overall CIFS statistics collected on either a WAE device, WAEs within a device group, or all WAEs system wide.

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

- [retrieveRequestHitRate](#)
- [retrieveCacheObjectCount](#)
- [retrieveCacheUtilization](#)
- [getDiskCapacity](#)
- [getOptCIFSSessionCount](#)
- [getCIFSCount](#)
- [getOpenFileCount](#)
- [getRequestCount](#)
- [getCIFSEdgeCount](#)
- [getCIFSEdgeCoreTraffic](#)
- [getCIFSCoreEdgeTraffic](#)
- [getCIFSClientAvgThroughput](#)

### Syntax

Service URL: `https://<host/ip>:8443/ws/CIFSSStats`

WSDL URL: `https://<host/ip>:8443/ws/CIFSSStats?wsdl`

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

```
https://<host/ip>:8443/ws/CIFSSStats?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/CIFSSStats
```

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

The following example shows an XML-formatted SOAP request to perform the [retrieveRequestHitRate](#) action. The request includes the input parameters for this particular action shown in bold. The next example shows the XML response that contains the output values for this action.

**Example Request**

```

<?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#P
asswordText">default</wsse:Password>
  </wsse:UsernameToken>
</wsse:Security>
</soapenv:Header>
- <soapenv:Body>
- <ns1:retrieveRequestHitRate xmlns:ns1="http://service.stats.ws.waas.cisco.com">
  <ns1:name>ce-119-40</ns1:name>
  <ns1:objType>wae</ns1:objType>
  <ns1:trafficType>not used</ns1:trafficType>
  <ns1:direction>bidirectional</ns1:direction>
- <ns1:timeframe>
  <ns4:endTime
xmlns:ns4="http://util.ws.waas.cisco.com/xsd">2008-01-25T08:00:00.000Z</ns4:endTime>
  <ns4:frequency xmlns:ns4="http://util.ws.waas.cisco.com/xsd">lasthour</ns4:frequency>
  <ns4:startTime
xmlns:ns4="http://util.ws.waas.cisco.com/xsd">2008-01-25T08:00:00.000Z</ns4:startTime>
  <ns4:timezone xmlns:ns4="http://util.ws.waas.cisco.com/xsd">UTC</ns4:timezone>
</ns1:timeframe>
</ns1:retrieveRequestHitRate>
</soapenv:Body>
</soapenv:Envelope>

```

**Example Response**

```

<?xml version="1.0" encoding="utf-8" ?>
- <soapenv:Envelope xmlns:soapenv="http://www.w3.org/2003/05/soap-envelope">
- <soapenv:Body>
- <ns:retrieveRequestHitRateResponse xmlns:ns="http://service.stats.ws.waas.cisco.com"
xmlns:ax29="http://io.java/xsd" xmlns:ax28="http://rmi.java/xsd"
xmlns:ax210="http://util.ws.waas.cisco.com/xsd"
xmlns:ax211="http://stats.ws.waas.cisco.com/xsd">
- <ns:return type="com.cisco.waas.ws.stats.CIFSHitRateStats">
  <ax211:frequency>min</ax211:frequency>
  <ax211:inHitrate>0</ax211:inHitrate>
  <ax211:outHitrate>-1</ax211:outHitrate>
  <ax211:timestamp>1970-01-14T23:39:47.100Z</ax211:timestamp>
</ns:return>
</ns:retrieveRequestHitRateResponse>
</soapenv:Body>
</soapenv:Envelope>

```

# retrieveRequestHitRate

Retrieves the overall hit rate statistics collected on a WAE device. Supported for CIFS Legacy and CIFS AO mode.

## Input Parameters

Parameter	Description
<b>name</b>	A string that describes the name of the WAE.
<b>objType</b>	A string that describes the object type. Valid values include the following: <ul style="list-style-type: none"> <li>wae</li> </ul>
<b>trafficType</b>	A string that describes the type of traffic. Valid values include the following: <ul style="list-style-type: none"> <li>passthrough</li> <li>optimized</li> </ul> Note: trafficType is not used in filtering the data.
<b>direction</b>	A string that describes the direction of the traffic. Valid values include the following: <ul style="list-style-type: none"> <li>inbound</li> <li>outbound</li> <li>bidirectional</li> </ul> Note: direction is not used in filtering the data.
<b>timeframe</b>	A <a href="#">TimeFrameFilter</a> value that includes the time interval, time zone, and frequency.

## Return

The output parameter **HitRateStats[]** returns a [HitRateStats](#) value that provides a list of the hit rate history.

## Exceptions

Type	String	Description
RemoteException	CIFSStatsService.retrieveRequestHitRate: ERROR:Invalid name=	The device name is invalid.
RemoteException	CIFSStatsService.retrieveRequestHitRate: ERROR:Invalid objType=	The object type name is invalid.
RemoteException	CIFSStatsService.retrieveRequestHitRate: ERROR:Invalid objType=wae Only wae supported.	The object type is other than wae.
RemoteException	CIFSStatsService.retrieveRequestHitRate: ERROR:Invalid TimeFrame	The timeframe is invalid.
RemoteException	CIFSStatsService.retrieveRequestHitRate: ERROR:Device does not exist.DeviceName=	The device name is not found.

RemoteException	CIFSStatsService.retrieveRequestHitRate: ERROR:Unsupported frequency=	The frequency is not supported.
RemoteException	CIFSStatsService.retrieveRequestHitRate: ERROR:Invalid frequency=	The frequency is invalid.
RemoteException	CIFSStatsService.retrieveRequestHitRate: ERROR:Invalid startTime=	The start time is invalid.
RemoteException	CIFSStatsService.retrieveRequestHitRate: ERROR:Invalid endTime=	The end time is invalid.
RemoteException	CIFSStatsService.retrieveRequestHitRate: ERROR:startTime should be less than endTime startTime=	The start time is less than the end time.
AxisFault	CIFSStats:The Method Name is not supported. MethodName=	The method name is not supported for a given service.
AxisFault	CIFSStats:The SOAP Envelope Body is Null	The SOAP envelope is missing for a given service.
AxisFault	CIFSStats:The Requested WebService is not available	The service requested is not supported.
AxisFault	retrieveCIFSStats:The SOAP Body doesn't have all the required elements	The SOAP body does not have all the required elements.
RemoteException	CIFSStatsService.retrieveRequestHitRate: ERROR:API is not supported. cifsDevType=core	The device is running Legacy Core Mode.

# retrieveCacheObjectCount

Retrieves the overall cache object count statistics collected on a WAE device. Supported for CIFS Legacy and CIFS AO mode.

## Input Parameters

Parameter	Description
<b>name</b>	A string that describes the name of the WAE.
<b>objType</b>	A string that describes the object type. Valid values include the following: <ul style="list-style-type: none"> <li>wae</li> </ul>
<b>trafficType</b>	A string that describes the type of traffic. Valid values include the following: <ul style="list-style-type: none"> <li>passthrough</li> <li>optimized</li> </ul> Note: trafficType is not used in filtering the data.
<b>direction</b>	A string that describes the direction of the traffic. Valid values include the following: <ul style="list-style-type: none"> <li>inbound</li> <li>outbound</li> <li>bidirectional</li> </ul> Note: direction is not used in filtering the data.
<b>timeframe</b>	A <a href="#">TimeFrameFilter</a> value that includes the time interval, time zone, and frequency.

## Return

The output parameter **cacheCountStats[]** returns a [CacheCountStats](#) value that provides a list of the cache count history.

## Exceptions

Type	String	Description
RemoteException	CIFSStatsService.retrieveCacheObjectCount: ERROR:Invalid name=	The device name is invalid.
RemoteException	CIFSStatsService.retrieveCacheObjectCount: ERROR:Invalid objType=	The object type name is invalid.
RemoteException	CIFSStatsService.retrieveCacheObjectCount: ERROR:Invalid objType=wae Only wae supported.	The object type is other than wae.
RemoteException	CIFSStatsService.retrieveCacheObjectCount: ERROR:Invalid TimeFrame	The timeframe is invalid.
RemoteException	CIFSStatsService.retrieveCacheObjectCount: ERROR:Device does not exist.DeviceName=	The device name is not found.

RemoteException	CIFSStatsService.retrieveCacheObjectCount: ERROR:Unsupported frequency=	The frequency is not supported.
RemoteException	CIFSStatsService.retrieveCacheObjectCount: ERROR:Invalid frequency=	The frequency is invalid.
RemoteException	CIFSStatsService.retrieveCacheObjectCount: ERROR:Invalid startTime=	The start time is invalid.
RemoteException	CIFSStatsService.retrieveCacheObjectCount: ERROR:Invalid endTime=	The end time is invalid.
RemoteException	CIFSStatsService.retrieveCacheObjectCount: ERROR:startTime should be less than endTime startTime=	The start time is less than the end time.
AxisFault	CIFSStats:The Method Name is not supported. MethodName=	The method name is not supported for a given service.
AxisFault	CIFSStats:The SOAP Envelope Body is Null	The SOAP envelope is missing for a given service.
AxisFault	CIFSStats:The Requested WebService is not available	The service requested is not supported.
AxisFault	retrieveCacheObjectCount:The SOAP Body doesn't have all the required elements	The SOAP body does not have all the required elements.
RemoteException	CIFSStatsService.retrieveCacheObjectCount: ERROR:API is not supported. cifsDevType=core	The device is running Legacy Core Mode.

# retrieveCacheUtilization

Retrieves the overall cache utilization statistics collected on a WAE device.

## Input Parameters

Parameter	Description
<b>name</b>	A string that describes the name of the WAE.
<b>objType</b>	A string that describes the object type. Valid values include the following: <ul style="list-style-type: none"> <li>wae</li> </ul>
<b>trafficType</b>	A string that describes the type of traffic. Valid values include the following: <ul style="list-style-type: none"> <li>passthrough</li> <li>optimized</li> </ul> Note: trafficType is not used in filtering the data.
<b>direction</b>	A string that describes the direction of the traffic. Valid values include the following: <ul style="list-style-type: none"> <li>inbound</li> <li>outbound</li> <li>bidirectional</li> </ul> Note: direction is not used in filtering the data.
<b>timeframe</b>	A <a href="#">TimeFrameFilter</a> value that includes the time interval, time zone, and frequency.

## Return

The output parameter **cacheUtilizationStats[]** returns a [CacheUtilizationStats](#) value that provides a list of the utilization history.

## Exceptions

Type	String	Description
RemoteException	CIFSStatsService.retrieveCacheUtilization: ERROR:Invalid name=	The device name is invalid.
RemoteException	CIFSStatsService.retrieveCacheUtilization: ERROR:Invalid objType=	The object type name is invalid.
RemoteException	CIFSStatsService.retrieveCacheUtilization: ERROR:Invalid objType=wae Only wae supported.	The object type is other than wae.
RemoteException	CIFSStatsService.retrieveCacheUtilization: ERROR:Invalid TimeFrame	The timeframe is invalid.
RemoteException	CIFSStatsService.retrieveCacheUtilization: ERROR:Device does not exist.DeviceName=	The device name is not found.

RemoteException	CIFSStatsService.retrieveCacheUtilization: ERROR:Unsupported frequency=	The frequency is not supported.
RemoteException	CIFSStatsService.retrieveCacheUtilization: ERROR:Invalid frequency=	The frequency is invalid.
RemoteException	CIFSStatsService.retrieveCacheUtilization: ERROR:Invalid startTime=	The start time is invalid.
RemoteException	CIFSStatsService.retrieveCacheUtilization: ERROR:Invalid endTime=	The end time is invalid.
RemoteException	CIFSStatsService.retrieveCacheUtilization: ERROR:startTime should be less than endTime startTime=	The start time is less than the end time.
AxisFault	CIFSStats:The Method Name is not supported. MethodName=	The method name is not supported for a given service.
AxisFault	CIFSStats:The SOAP Envelope Body is Null	The SOAP envelope is missing for a given service.
AxisFault	CIFSStats:The Requested WebService is not available	The service requested is not supported.
AxisFault	retrieveCacheUtilization:The SOAP Body doesn't have all the required elements	The SOAP body does not have all the required elements.
RemoteException	CIFSStatsService.retrieveCacheUtilization: ERROR:API is not supported. cifsDevType=core	The device is running Legacy Core Mode.



# getDiskCapacity

Retrieves the overall disk capacity statistics collected on a WAE device. Supported for CIFS Legacy and CIFS AO mode.

## Input Parameters

Parameter	Description
<b>name</b>	A string that describes the name of the WAE.
<b>objType</b>	A string that describes the object type. Valid values include the following: <ul style="list-style-type: none"> <li>wae</li> </ul>
<b>trafficType</b>	A string that describes the type of traffic. Valid values include the following: <ul style="list-style-type: none"> <li>passthrough</li> <li>optimized</li> </ul> Note: trafficType is not used in filtering the data.
<b>direction</b>	A string that describes the direction of the traffic. Valid values include the following: <ul style="list-style-type: none"> <li>inbound</li> <li>outbound</li> <li>bidirectional</li> </ul> Note: trafficType is not used in filtering the data.
<b>timeframe</b>	A <a href="#">TimeFrameFilter</a> value that includes the time interval, time zone, and frequency.

## Return

The output parameter **diskCapacityStats[]** returns a [DiskCapacityStats](#) value that provides a list of the disk capacity history.

## Exceptions

Type	String	Description
RemoteException	CIFSStatsService.getDiskCapacity: ERROR:Invalid name=	The device name is invalid.
RemoteException	CIFSStatsService.getDiskCapacity: ERROR:Invalid objType=	The object type name is invalid.
RemoteException	CIFSStatsService.getDiskCapacity: ERROR:Invalid objType=wae Only wae supported.	The object type is other than wae.
RemoteException	CIFSStatsService.getDiskCapacity: ERROR:Invalid TimeFrame	The timeframe is invalid.
RemoteException	CIFSStatsService.getDiskCapacity: ERROR:Device does not exist.DeviceName=	The device name is not found.

RemoteException	CIFSStatsService.getDiskCapacity: ERROR:Unsupported frequency=	The frequency is not supported.
RemoteException	CIFSStatsService.getDiskCapacity: ERROR:Invalid frequency=	The frequency is invalid.
RemoteException	CIFSStatsService.getDiskCapacity: ERROR:Invalid startTime=	The start time is invalid.
RemoteException	CIFSStatsService.getDiskCapacity: ERROR:Invalid endTime=	The end time is invalid.
RemoteException	CIFSStatsService.getDiskCapacity: ERROR:startTime should be less than endTime startTime=	The start time is less than the end time.
AxisFault	CIFSStats:The Method Name is not supported. MethodName=	The method name is not supported for a given service.
AxisFault	CIFSStats:The SOAP Envelope Body is Null	The SOAP envelope is missing for a given service.
AxisFault	CIFSStats:The Requested WebService is not available	The service requested is not supported.
AxisFault	getDiskCapacity:The SOAP Body doesn't have all the required elements	The SOAP body does not have all the required elements.
RemoteException	CIFSStatsService.getDiskCapacity: ERROR:API is not supported. cifsDevType=core	The device is running Legacy Core Mode.

# getOptCIFSSessionCount

Retrieves the overall open CIFS session count statistics collected on a WAE device. Supported for CIFS Legacy and CIFS AO mode.

## Input Parameters

Parameter	Description
<b>name</b>	A string that describes the name of the WAE.
<b>objType</b>	A string that describes the object type. Valid values include the following: <ul style="list-style-type: none"> <li>wae</li> </ul>
<b>trafficType</b>	A string that describes the type of traffic. Valid values include the following: <ul style="list-style-type: none"> <li>passthrough</li> <li>optimized</li> </ul> Note: trafficType is not used in filtering the data.
<b>direction</b>	A string that describes the direction of the traffic. Valid values include the following: <ul style="list-style-type: none"> <li>inbound</li> <li>outbound</li> <li>bidirectional</li> </ul> Note: direction is not used in filtering the data.
<b>timeframe</b>	A <a href="#">TimeFrameFilter</a> value that includes the time interval, time zone, and frequency.

## Return

The output parameter `sessionCountStats[]` returns a [SessionCountStats](#) value that provides a list of the session history.

## Exceptions

Type	String	Description
RemoteException	CIFSStatsService.getOptCIFSSessionCount: ERROR:Invalid name=	The device name is invalid.
RemoteException	CIFSStatsService.getOptCIFSSessionCount: ERROR:Invalid objType=	The object type name is invalid.
RemoteException	CIFSStatsService.getOptCIFSSessionCount: ERROR:Invalid objType=wae Only wae supported.	The object type is other than wae.
RemoteException	CIFSStatsService.getOptCIFSSessionCount: ERROR:Invalid TimeFrame	The timeframe is invalid.
RemoteException	CIFSStatsService.getOptCIFSSessionCount: ERROR:Device does not exist.DeviceName=	The device name is not found.

RemoteException	CIFSStatsService.getOptCIFSSessionCount: ERROR:Unsupported frequency=	The frequency is not supported.
RemoteException	CIFSStatsService.getOptCIFSSessionCount: ERROR:Invalid frequency=	The frequency is invalid.
RemoteException	CIFSStatsService.getOptCIFSSessionCount: ERROR:Invalid startTime=	The start time is invalid.
RemoteException	CIFSStatsService.getOptCIFSSessionCount: ERROR:Invalid endTime=	The end time is invalid.
RemoteException	CIFSStatsService.getOptCIFSSessionCount: ERROR:startTime should be less than endTime startTime=	The start time is less than the end time.
AxisFault	CIFSStats:The Method Name is not supported. MethodName=	The method name is not supported for a given service.
AxisFault	CIFSStats:The SOAP Envelope Body is Null	The SOAP envelope is missing for a given service.
AxisFault	CIFSStats:The Requested WebService is not available	The service requested is not supported.
AxisFault	getOptCIFSSessionCount:The SOAP Body doesn't have all the required elements	The SOAP body does not have all the required elements.
RemoteException	CIFSStatsService.getDiskCapacityCount: ERROR:API is not supported. cifsDevType=core	The device is running Legacy Core Mode.

# getCIFSCoreCount

Retrieves the overall CIFS core count statistics collected on a WAE device. Supported for CIFS Legacy and CIFS AO mode.

## Input Parameters

Parameter	Description
<b>name</b>	A string that describes the name of the WAE.
<b>objType</b>	A string that describes the object type. Valid values include the following: <ul style="list-style-type: none"> <li>wae</li> </ul>
<b>trafficType</b>	A string that describes the type of traffic. Valid values include the following: <ul style="list-style-type: none"> <li>passthrough</li> <li>optimized</li> </ul> Note: trafficType is not used in filtering the data.
<b>direction</b>	A string that describes the direction of the traffic. Valid values include the following: <ul style="list-style-type: none"> <li>inbound</li> <li>outbound</li> <li>bidirectional</li> </ul> Note: direction is not used in filtering the data.
<b>timeframe</b>	A <a href="#">TimeFrameFilter</a> value that includes the time interval, time zone, and frequency.

## Return

The output parameter **coreCountStats[]** returns a [CoreCountStats](#) value that provides a list of the core device count history.

## Exceptions

Type	String	Description
RemoteException	CIFSStatsService.getCIFSCoreCount: ERROR:Invalid name=	The device name is invalid.
RemoteException	CIFSStatsService.getCIFSCoreCount: ERROR:Invalid objType=	The object type name is invalid.
RemoteException	CIFSStatsService.getCIFSCoreCount: ERROR:Invalid objType=wae Only wae supported.	The object type is other than wae.
RemoteException	CIFSStatsService.getCIFSCoreCount: ERROR:Invalid TimeFrame	The timeframe is invalid.
RemoteException	CIFSStatsService.getCIFSCoreCount: ERROR:Device does not exist.DeviceName=	The device name is not found.

RemoteException	CIFSStatsService.getCIFSCoreCount: ERROR:Unsupported frequency=	The frequency is not supported.
RemoteException	CIFSStatsService.getCIFSCoreCount: ERROR:Invalid frequency=	The frequency is invalid.
RemoteException	CIFSStatsService.getCIFSCoreCount: ERROR:Invalid startTime=	The start time is invalid.
RemoteException	CIFSStatsService.getCIFSCoreCount: ERROR:Invalid endTime=	The end time is invalid.
RemoteException	CIFSStatsService.getCIFSCoreCount: ERROR:startTime should be less than endTime startTime=	The start time is less than the end time.
AxisFault	CIFSStats:The Method Name is not supported. MethodName=	The method name is not supported for a given service.
AxisFault	CIFSStats:The SOAP Envelope Body is Null	The SOAP envelope is missing for a given service.
AxisFault	CIFSStats:The Requested WebService is not available	The service requested is not supported.
AxisFault	getCIFSCoreCount:The SOAP Body doesn't have all the required elements	The SOAP body does not have all the required elements.
RemoteException	CIFSStatsService.getCIFSCoreCount: ERROR:API is not supported. cifsDevType=	The device is running on CIFS AO mode or Legacy Core Mode.

# getOpenFileCount

Retrieves the overall open file count statistics collected on a WAE device. Supported for CIFS Legacy and CIFS AO mode.

## Input Parameters

Parameter	Description
<b>name</b>	A string that describes the name of the WAE.
<b>objType</b>	A string that describes the object type. Valid values include the following: <ul style="list-style-type: none"> <li>wae</li> </ul>
<b>trafficType</b>	A string that describes the type of traffic. Valid values include the following: <ul style="list-style-type: none"> <li>passthrough</li> <li>optimized</li> </ul> Note: trafficType is not used in filtering the data.
<b>direction</b>	A string that describes the direction of the traffic. Valid values include the following: <ul style="list-style-type: none"> <li>inbound</li> <li>outbound</li> <li>bidirectional</li> </ul> Note: direction is not used in filtering the data.
<b>timeframe</b>	A <a href="#">TimeFrameFilter</a> value that includes the time interval, time zone, and frequency.

## Return

The output parameter **fileCountStats[]** returns a [FileCountStats](#) value that provides a list of the open files history.

## Exceptions

Type	String	Description
RemoteException	CIFSStatsService.getOpenFileCount: ERROR:Invalid name=	The device name is invalid.
RemoteException	CIFSStatsService.getOpenFileCount: ERROR:Invalid objType=	The object type name is invalid.
RemoteException	CIFSStatsService.getOpenFileCount: ERROR:Invalid objType=wae Only wae supported.	The object type is other than wae.
RemoteException	CIFSStatsService.getOpenFileCount: ERROR:Invalid TimeFrame	The timeframe is invalid.
RemoteException	CIFSStatsService.getOpenFileCount: ERROR:Device does not exist.DeviceName=	The device name is not found.

RemoteException	CIFSStatsService.getOpenFileCount: ERROR:Unsupported frequency=	The frequency is not supported.
RemoteException	CIFSStatsService.getOpenFileCount: ERROR:Invalid frequency=	The frequency is invalid.
RemoteException	CIFSStatsService.getOpenFileCount: ERROR:Invalid startTime=	The start time is invalid.
RemoteException	CIFSStatsService.getOpenFileCount: ERROR:Invalid endTime=	The end time is invalid.
RemoteException	CIFSStatsService.getOpenFileCount: ERROR:startTime should be less than endTime startTime=	The start time is less than the end time.
AxisFault	CIFSStats:The Method Name is not supported. MethodName=	The method name is not supported for a given service.
AxisFault	CIFSStats:The SOAP Envelope Body is Null	The SOAP envelope is missing for a given service.
AxisFault	CIFSStats:The Requested WebService is not available	The service requested is not supported.
AxisFault	getOpenFileCount:The SOAP Body doesn't have all the required elements	The SOAP body does not have all the required elements.
RemoteException	CIFSStatsService.getOpenFileCount: ERROR:API is not supported. cifsDevType=core	The device is running Legacy Core Mode.



# getRequestCount

Retrieves the overall request count statistics collected on a WAE device. Supported for CIFS Legacy and CIFS AO mode.

## Input Parameters

Parameter	Description
<b>name</b>	A string that describes the name of the WAE.
<b>objType</b>	A string that describes the object type. Valid values include the following: <ul style="list-style-type: none"> <li>wae</li> </ul>
<b>trafficType</b>	A string that describes the type of traffic. Valid values include the following: <ul style="list-style-type: none"> <li>passthrough</li> <li>optimized</li> </ul> Note: trafficType is not used in filtering the data.
<b>direction</b>	A string that describes the direction of the traffic. Valid values include the following: <ul style="list-style-type: none"> <li>inbound</li> <li>outbound</li> <li>bidirectional</li> </ul> Note: direction is not used in filtering the data.
<b>timeframe</b>	A <a href="#">TimeFrameFilter</a> value that includes the time interval, time zone, and frequency.

## Return

The output parameter **requestCountStats[]** returns a [RequestCountStats](#) value that provides a list of the request count history.

## Exceptions

Type	String	Description
RemoteException	CIFSStatsService.getRequestCount: ERROR:Invalid name=	The device name is invalid.
RemoteException	CIFSStatsService.getRequestCount: ERROR:Invalid objType=	The object type name is invalid.
RemoteException	CIFSStatsService.getRequestCount: ERROR:Invalid objType=wae Only wae supported.	The object type is other than wae.
RemoteException	CIFSStatsService.getRequestCount: ERROR:Invalid TimeFrame	The timeframe is invalid.
RemoteException	CIFSStatsService.getRequestCount: ERROR:Device does not exist.DeviceName=	The device name is not found.

RemoteException	CIFSStatsService.getRequestCount: ERROR:Unsupported frequency=	The frequency is not supported.
RemoteException	CIFSStatsService.getRequestCount: ERROR:Invalid frequency=	The frequency is invalid.
RemoteException	CIFSStatsService.getRequestCount: ERROR:Invalid startTime=	The start time is invalid.
RemoteException	CIFSStatsService.getRequestCount: ERROR:Invalid endTime=	The end time is invalid.
RemoteException	CIFSStatsService.getRequestCount: ERROR:startTime should be less than endTime startTime=	The start time is less than the end time.
AxisFault	CIFSStats:The Method Name is not supported. MethodName=	The method name is not supported for a given service.
AxisFault	CIFSStats:The SOAP Envelope Body is Null	The SOAP envelope is missing for a given service.
AxisFault	CIFSStats:The Requested WebService is not available	The service requested is not supported.
AxisFault	getRequestCount:The SOAP Body doesn't have all the required elements	The SOAP body does not have all the required elements.
RemoteException	CIFSStatsService.getRequestCount: ERROR:API is not supported. cifsDevType=core	The device is running Legacy Core Mode.

# getCIFSEdgeCount

Retrieves the total number of CIFS Edges connected to the CIFS Core. Supported for CIFS Legacy Core mode only.

## Input Parameters

Parameter	Description
<b>name</b>	A string that describes the name of the WAE.
<b>objType</b>	A string that describes the object type. Valid values include the following: <ul style="list-style-type: none"> <li>wae</li> </ul>
<b>trafficType</b>	A string that describes the type of traffic. Valid values include the following: <ul style="list-style-type: none"> <li>passthrough</li> <li>optimized</li> </ul> Note: trafficType is not used in filtering the data.
<b>direction</b>	A string that describes the direction of the traffic. Valid values include the following: <ul style="list-style-type: none"> <li>inbound</li> <li>outbound</li> <li>bidirectional</li> </ul> Note: direction is not used in filtering the data.
<b>timeframe</b>	A <a href="#">TimeFrameFilter</a> value that includes the time interval, time zone, and frequency.

## Return

The output parameter **EdgeCountStats[]** returns an [EdgeCountStats](#) value that provides a list of edges connected to the Core.

## Exceptions

Type	String	Description
RemoteException	CIFSStatsService.getCIFSEdgeCount: ERROR:Invalid name=	The device name is invalid.
RemoteException	CIFSStatsService.getCIFSEdgeCount: ERROR:Invalid objType=	The object type name is invalid.
RemoteException	CIFSStatsService.getCIFSEdgeCount: ERROR:Invalid objType=wae Only wae supported.	The object type is other than wae.
RemoteException	CIFSStatsService.getCIFSEdgeCount: ERROR:Invalid TimeFrame	The timeframe is invalid.
RemoteException	CIFSStatsService.getCIFSEdgeCount: ERROR:Device does not exist.DeviceName=	The device name is not found.

RemoteException	CIFSStatsService.getCIFSEdgeCount: ERROR:Unsupported frequency=	The frequency is not supported.
RemoteException	CIFSStatsService.getCIFSEdgeCount: ERROR:Invalid frequency=	The frequency is invalid.
RemoteException	CIFSStatsService.getCIFSEdgeCount: ERROR:Invalid startTime=	The start time is invalid.
RemoteException	CIFSStatsService.getCIFSEdgeCount: ERROR:Invalid endTime=	The end time is invalid.
RemoteException	CIFSStatsService.getCIFSEdgeCount: ERROR:startTime should be less than endTime startTime=	The start time is less than the end time.
AxisFault	CIFSStats:The Method Name is not supported. MethodName=	The method name is not supported for a given service.
AxisFault	CIFSStats:The SOAP Envelope Body is Null	The SOAP envelope is missing for a given service.
AxisFault	CIFSStatsService:The Requested WebService is not available	The service requested is not supported.
AxisFault	getCIFSEdgeCount:The SOAP Body doesn't have all the required elements	The SOAP body does not have all the required elements.
RemoteException	CIFSStatsService.getCIFSEdgeCount: ERROR:API is not supported. cifsDevType=edge	The device is running Legacy Edge Mode.
RemoteException	CIFSStatsService.getCIFSEdgeCount: ERROR:API is not supported. cifsDevType=cifsao	The device is running Legacy CIFS AO Mode.

# getCIFSEdgeCoreTraffic

Retrieves the total traffic between CIFS Edge and CIFS Cores connected to it. Supported for CIFS Legacy Edge mode only.

## Input Parameters

Parameter	Description
<b>name</b>	A string that describes the name of the WAE.
<b>objType</b>	A string that describes the object type. Valid values include the following: <ul style="list-style-type: none"> <li>wae</li> </ul>
<b>trafficType</b>	A string that describes the type of traffic. Valid values include the following: <ul style="list-style-type: none"> <li>passthrough</li> <li>optimized</li> </ul> Note: trafficType is not used in filtering the data.
<b>direction</b>	A string that describes the direction of the traffic. Valid values include the following: <ul style="list-style-type: none"> <li>inbound</li> <li>outbound</li> <li>bidirectional</li> </ul> Note: direction is not used in filtering the data.
<b>timeframe</b>	A <a href="#">TimeFrameFilter</a> value that includes the time interval, time zone, and frequency.

## Return

The output parameter **CIFSTrafficStats[]** returns an [CIFSTrafficStats](#) value that provides a list of traffic between Edge and Cores connected to it.

## Exceptions

Type	String	Description
RemoteException	CIFSStatsService.getCIFSEdgeCoreTraffic: ERROR:Invalid name=	The device name is invalid.
RemoteException	CIFSStatsService.getCIFSEdgeCoreTraffic: ERROR:Invalid objType=	The object type name is invalid.
RemoteException	CIFSStatsService.getCIFSEdgeCoreTraffic: ERROR:Invalid objType=wae Only wae supported.	The object type is other than wae.
RemoteException	CIFSStatsService.getCIFSEdgeCoreTraffic: ERROR:Invalid TimeFrame	The timeframe is invalid.
RemoteException	CIFSStatsService.getCIFSEdgeCoreTraffic: ERROR:Device does not exist.DeviceName=	The device name is not found.

RemoteException	CIFSStatsService.getCIFSEdgeCoreTraffic: ERROR:Unsupported frequency=	The frequency is not supported.
RemoteException	CIFSStatsService.getCIFSEdgeCoreTraffic: ERROR:Invalid frequency=	The frequency is invalid.
RemoteException	CIFSStatsService.getCIFSEdgeCoreTraffic: ERROR:Invalid startTime=	The start time is invalid.
RemoteException	CIFSStatsService.getCIFSEdgeCoreTraffic: ERROR:Invalid endTime=	The end time is invalid.
RemoteException	CIFSStatsService.getCIFSEdgeCoreTraffic: ERROR:startTime should be less than endTime startTime=	The start time is less than the end time.
AxisFault	CIFSStats:The Method Name is not supported. MethodName=	The method name is not supported for a given service.
AxisFault	CIFSStats:The SOAP Envelope Body is Null	The SOAP envelope is missing for a given service.
AxisFault	CIFSStatsService:The Requested WebService is not available	The service requested is not supported.
AxisFault	getCIFSEdgeCoreTraffic:The SOAP Body doesn't have all the required elements	The SOAP body does not have all the required elements.
RemoteException	CIFSStatsService.getCIFSEdgeCoreTraffic: ERROR:API is not supported. cifsDevType=core	The device is running Legacy Mode.
RemoteException	CIFSStatsService.getCIFSEdgeCoreTraffic: ERROR:API is not supported. cifsDevType=cifsao	The device is running CIFS AO Mode.

# getCIFSCoreEdgeTraffic

Retrieves the total traffic between CIFS Core and the CIFS Edges connected to it. Supported for CIFS Legacy Core mode only.

## Input Parameters

Parameter	Description
<b>name</b>	A string that describes the name of the WAE.
<b>objType</b>	A string that describes the object type. Valid values include the following: <ul style="list-style-type: none"> <li>wae</li> </ul>
<b>trafficType</b>	A string that describes the type of traffic. Valid values include the following: <ul style="list-style-type: none"> <li>passthrough</li> <li>optimized</li> </ul> Note: trafficType is not used in filtering the data.
<b>direction</b>	A string that describes the direction of the traffic. Valid values include the following: <ul style="list-style-type: none"> <li>inbound</li> <li>outbound</li> <li>bidirectional</li> </ul> Note: direction is not used in filtering the data.
<b>timeframe</b>	A <a href="#">TimeFrameFilter</a> value that includes the time interval, time zone, and frequency.

## Return

The output parameter **CIFSTrafficStats[]** returns an [CIFSTrafficStats](#) value that provides a list of traffic between Core and Edges connected to it.

## Exceptions

Type	String	Description
RemoteException	CIFSStatsService.getCIFSCoreEdgeTraffic: ERROR:Invalid name=	The device name is invalid.
RemoteException	CIFSStatsService.getCIFSCoreEdgeTraffic: ERROR:Invalid objType=	The object type name is invalid.
RemoteException	CIFSStatsService.getCIFSCoreEdgeTraffic: ERROR:Invalid objType=wae Only wae supported.	The object type is other than wae.
RemoteException	CIFSStatsService.getCIFSCoreEdgeTraffic: ERROR:Invalid TimeFrame	The timeframe is invalid.
RemoteException	CIFSStatsService.getCIFSCoreEdgeTraffic: ERROR:Device does not exist.DeviceName=	The device name is not found.

RemoteException	CIFSStatsService.getCIFSCoreEdgeTraffic: ERROR:Unsupported frequency=	The frequency is not supported.
RemoteException	CIFSStatsService.getCIFSCoreEdgeTraffic: ERROR:Invalid frequency=	The frequency is invalid.
RemoteException	CIFSStatsService.getCIFSCoreEdgeTraffic: ERROR:Invalid startTime=	The start time is invalid.
RemoteException	CIFSStatsService.getCIFSCoreEdgeTraffic: ERROR:Invalid endTime=	The end time is invalid.
RemoteException	CIFSStatsService.getCIFSCoreEdgeTraffic: ERROR:startTime should be less than endTime startTime=	The start time is less than the end time.
AxisFault	CIFSStats:The Method Name is not supported. MethodName=	The method name is not supported for a given service.
AxisFault	CIFSStats:The SOAP Envelope Body is Null	The SOAP envelope is missing for a given service.
AxisFault	CIFSStats:The Requested WebService is not available	The service requested is not supported.
AxisFault	getCIFSCoreEdgeTraffic:The SOAP Body doesn't have all the required elements	The SOAP body does not have all the required elements.
RemoteException	CIFSStatsService.getCIFSCoreEdgeTraffic: ERROR:API is not supported. cifsDevType=edge	The device is running Legacy Edge Mode.
RemoteException	CIFSStatsService.getCIFSCoreEdgeTraffic: ERROR:API is not supported. cifsDevType=cifsao	The device is running CIFS AO Mode.



# getCIFSClntAvgThroughput

Retrieves the average throughput between the Edge device and its clients, measured over the Edge device up time (including idle time). Supported for CIFS Legacy Edge and CIFS AO mode.

## Input Parameters

Parameter	Description
<b>name</b>	A string that describes the name of the WAE.
<b>objType</b>	A string that describes the object type. Valid values include the following: <ul style="list-style-type: none"> <li>wae</li> </ul>
<b>trafficType</b>	A string that describes the type of traffic. Valid values include the following: <ul style="list-style-type: none"> <li>passthrough</li> <li>optimized</li> </ul> Note: trafficType is not used in filtering the data.
<b>direction</b>	A string that describes the direction of the traffic. Valid values include the following: <ul style="list-style-type: none"> <li>inbound</li> <li>outbound</li> <li>bidirectional</li> </ul> Note: direction is not used in filtering the data.
<b>timeframe</b>	A <a href="#">TimeFrameFilter</a> value that includes the time interval, time zone, and frequency.

## Return

The output parameter **ClientAvgThroughputStats[]** returns an [ClientAvgThroughputStats](#) value that provides a list of client average throughput history.

## Exceptions

Type	String	Description
RemoteException	CIFSStatsService.getCIFSClntAvgTh roughput: ERROR:Invalid name=	The device name is invalid.
RemoteException	CIFSStatsService.getCIFSClntAvgTh roughput: ERROR:Invalid objType=	The object type name is invalid.
RemoteException	CIFSStatsService.getCIFSClntAvgTh roughput: ERROR:Invalid objType=wae Only wae supported.	The object type is other than wae.
RemoteException	CIFSStatsService.getCIFSClntAvgTh roughput: ERROR:Invalid TimeFrame	The timeframe is invalid.
RemoteException	CIFSStatsService.getCIFSClntAvgTh roughput: ERROR:Device does not exist.DeviceName=	The device name is not found.

RemoteException	CIFSStatsService.getCIFSCientAvgThroughput: ERROR:Unsupported frequency=	The frequency is not supported.
RemoteException	CIFSStatsService.getCIFSCientAvgThroughput: ERROR:Invalid frequency=	The frequency is invalid.
RemoteException	CIFSStatsService.getCIFSCientAvgThroughput: ERROR:Invalid startTime=	The start time is invalid.
RemoteException	CIFSStatsService.getCIFSCientAvgThroughput: ERROR:Invalid endTime=	The end time is invalid.
RemoteException	CIFSStatsService.getCIFSCientAvgThroughput: ERROR:startTime should be less than endTime startTime=	The start time is less than the end time.
AxisFault	CIFSStats:The Method Name is not supported. MethodName=	The method name is not supported for a given service.
AxisFault	CIFSStats:The SOAP Envelope Body is Null	The SOAP envelope is missing for a given service.
AxisFault	CIFSStats:The Requested WebService is not available	The service requested is not supported.
AxisFault	getCIFSCientAvgThroughput:The SOAP Body doesn't have all the required elements	The SOAP body does not have all the required elements.
RemoteException	CIFSStatsService.getCIFSCientAvgThroughput: ERROR:API is not supported. cifsDevType=core	The device is running Legacy Core Mode.