

Media Temple API Reference

API v1.0 (beta) - 2/14/11

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API Overview

The MediaTemple API documentation is broken up into the following components:

- [Global API Mechanisms](#) — The common mechanisms used across API resources: authentication, request/response formats, etc.
 - [API Content Types](#) — MediaTemple Content Types for requests and responses
 - [API HTTP Headers](#) — HTTP Headers that are globally available across resource requests
 - [API Query Parameters](#) — Query parameters that are globally available across resource requests
- [Parsing API Responses](#) — HTTP status codes which indicate the result of API calls
- [Service API](#) — Get information and perform operations on (ve) services
 - [Add Service](#) — This method provides a way to add a new MediaTemple service to the authenticated account.
 - [List Available Operating Systems](#) — This method retrieves a list of Operating Systems that may be installed.
 - [List Available Services](#) — This method returns a list of [Service Type](#) objects that can be provisioned via the [Add Service](#) method.
 - [Add Temporary Disk Space](#) — This method provides a way to add temporary disk space to a sever for a specific MediaTemple service that is associated with the authenticated account.
 - [Flush Firewall](#) — This method provides a way to flush the server firewall rules for a specific MediaTemple service that is associated with the authenticated account.
 - [Get All Service Detail](#) — This method provides a way to retrieve the MediaTemple services associated with the currently authenticated account.
 - [Get Service Detail](#) — This method provides a way to retrieve the service details for a specific MediaTemple service associated with the authenticated account.
 - [Get Service Ids](#) — This method provides a way to retrieve the MediaTemple services associated with the currently authenticated account.
 - [Reboot Server](#) — This method provides a way to reboot the server for a specific MediaTemple service that is associated with the authenticated account.
 - [Set Plesk Password](#) — This method provides a way to set the plesk password for a specific MediaTemple service associated with the authenticated account.
 - [Set Root Password](#) — This method provides a way to set the root password for a specific MediaTemple service associated with the authenticated account.
- [Stats API](#) — Get resource utilization information on (ve) services
 - [Get Current Stats](#) — This method provides a way to retrieve the current resource usage levels for a specific MediaTemple (ve) service.
 - [Get Range Stats](#) — This method provides a way to retrieve the resource usage levels for a specific MediaTemple (ve) service over a specific range of time.
 - [Get Predefined Range Stats](#) — This method provides a way to retrieve the resource usage levels for a specific MediaTemple (ve) service over certain predefined ranges of time.
 - [Get Warnings](#) — This method provides a way to retrieve current warnings for all services associated with the authenticated account.
 - [Get Warning Thresholds](#) — This method provides a way to retrieve the pre-defined thresholds for service warnings.
- [Appendix A - API Objects](#) — The various Objects that the API can return/consume
 - [Operating System](#)
 - [Service](#)
 - [Service Type](#)

Global API Mechanisms

The MediaTemple API provides several mechanisms that can be used across resource requests to authenticate when accessing resources, to specify the desired content type when getting results back from the API, etc.

- [API Content Types](#) — MediaTemple Content Types for requests and responses
- [API HTTP Headers](#) — HTTP Headers that are globally available across resource requests
- [API Query Parameters](#) — Query parameters that are globally available across resource requests

API Content Types

The MediaTemple API provides resource extensions and Accept headers (see also [API HTTP Headers](#)) that can be added to the request to specify content types for API requests and responses.

Extensions

The following is a list of extensions that can be used for any resource requests.

Param	Description	Default	Example
-------	-------------	---------	---------

json	Specify that response data should be in JSON format	yes	GET /api/stats/111.json
xml	Specify that response data should be in XML format	no	GET /api/stats/111.xml

Query Parameters

See [API Query Parameters](#) for information on the available HTTP query parameters that can be used to specify content types for requests or responses.

Headers

See [API HTTP Headers](#) for information on the available HTTP headers that can be used to specify content types for requests or responses.

API HTTP Headers

The MediaTemple API provides several HTTP headers that can be used across resource requests to perform common operations.

HTTP Headers

The following is a list of HTTP headers that are globally available across resource requests.

Param	Description	Default	Example
Authorization	Used to specify the API key used to authenticate requests. see also API Query Parameters	<empty>	"Authorization: MediaTemple FbDgBldQMokLwIXsBwq..."
Accept	Used to specify the desired content type of the response data	HTTP/REST client dependent	"Accept: application/json"
Content-type	Used to specify the content type of the request data. see also API Content Types	HTTP/REST client dependent	"Content-type: application/json"

API Query Parameters

The MediaTemple API provides several query parameters that can be used across resource requests to perform common operations.

HTTP Query Parameters

The following is a list of query parameters that are globally available across resource requests.

Param	Description	Default	Example
apikey	The API key used to authenticate requests. see also API HTTP Headers	<empty>	/v1/stats?apikey=FbDgBldQMokLwIXsBwq... see also API HTTP Headers
wrapRoot	Wrap the json object with the root object name	true	For a person object with a single field "name", the JSON representation would change from { "name": "Joe" } to { "person": { "name": "Joe" } }
prettyPrint	Format the response output with indentation and newlines	false	...
fieldList	A list of all fields to include in the response (implicitly excludes all not specified)	...	fieldList=person.name
excludeList	A list of all fields to exclude from the response	...	excludeList=person.name
includeList	A list of all fields to include in the response. This can be used to include fields documented as not being returned by default	...	includeList=person.name
_method	This parameter is used to override the HTTP method of the request (e.g. to support PUT in an HTTP/REST client with only POST capabilities)	...	_method=PUT
_format	This parameter is used to specify the content type the request/response	...	_format=json

Field Filtering

Field filtering is useful should one want to exclude undesired fields from API responses in order to conserve bandwidth or streamline parsing on the client-side.

All fields specified in *fieldList*, *excludeList* and *includeList* query parameters should be in the form:

```
<rootElement>.<childElement>
```

Note: If *wrapRoot* is set to false for the JSON format, then *rootElement* should be omitted.

Field Filtering Example - Specifying Response Fields

To only get the *timeStamp* and *cpu* fields from a response like the following:

```
{
  "stats" : {
    "timeStamp" : 1284689449,
    "cpu" : 69.51,
    "memory" : 59.58,
    "load1Min" : 19.86,
    "load5Min" : 29.79,
    "load15Min" : 39.72,
    "processes" : 84,
    "diskSpace" : 49.65,
    "kbytesIn" : 79.44,
    "kbytesOut" : 89.37,
    "packetsIn" : 99.31,
    "packetsOut" : 109.24,
    "state" : 1
  }
}
```

You would simply add *fieldList=stats.timeStamp,stats.cpu* to the request, which would result in a filtered document that looks like the following:

```
{
  "stats" : {
    "timeStamp" : 1284689449,
    "cpu" : 69.51
  }
}
```

However, if *wrapRoot* is set to false (JSON), then you could simply use *fieldList=timeStamp,cpu* in the request.

Field Filtering Example - Excluding Response Fields

To exclude *timeStamp* from a response like the following:

```
<?xml version="1.0" encoding="UTF-8"?>
<stats>
  <timeStamp>1284686518</timeStamp>
  <cpu>25.86</cpu>
  <memory>22.17</memory>
  <load1Min>7.39</load1Min>
  <load5Min>11.08</load5Min>
  <load15Min>14.78</load15Min>
  <processes>46</processes>
  <diskSpace>18.47</diskSpace>
  <kbytesIn>29.56</kbytesIn>
  <kbytesOut>33.25</kbytesOut>
  <packetsIn>36.95</packetsIn>
  <packetsOut>40.64</packetsOut>
  <state>1</state>
</stats>
```

You would simply add `excludeList=stats.timeStamp` to the request, which would result in a filtered document that looks like the following:

```
<?xml version="1.0" encoding="UTF-8"?>
<stats>
  <cpu>25.86</cpu>
  <memory>22.17</memory>
  <load1Min>7.39</load1Min>
  <load5Min>11.08</load5Min>
  <load15Min>14.78</load15Min>
  <processes>46</processes>
  <diskSpace>18.47</diskSpace>
  <kbytesIn>29.56</kbytesIn>
  <kbytesOut>33.25</kbytesOut>
  <packetsIn>36.95</packetsIn>
  <packetsOut>40.64</packetsOut>
  <state>1</state>
</stats>
```

The same filter would also apply to json with `wrapRoot` set to `true` (default). However, if `wrapRoot` is set to `false`, then you would simply use `excludeList=timeStamp` in the request. Multiple fields can be excluded by simply adding them to the list, using comma as a separator (e.g. `excludeList=timeStamp,cpu` will exclude the `timeStamp` and `cpu` fields from the response).

Parsing API Responses

The Media Temple API uses HTTP status codes to indicate the result of API calls to the client. In addition to this, the Media Temple API also provides additional information in the response body to identify specific faults and other data to the client.

HTTP Response Codes

The following is a list of response codes that may be returned from the API server with a description for each. This list is not exhaustive, but includes the typical responses that will be returned. Depending on the behavior of the client and interim proxies, other response codes may be generated and should be considered general failures.

Status Code	Description
200	Success
201	Successfully created
202	Request accepted but not yet processed
400	There was an error in the request input
401	Not Authorized. The authenticated user does not have permission to perform the operation

403	Permission Denied. The specified credentials are invalid
404	The specified resource was not found
409	There was a conflict with an existing object or process
409	There was a conflict with an existing object or process
500	Internal Server Error
503	Service Unavailable

Response Body

Every successful GET request (200 response) is intended to have an entity response body (e.g. { someEntity : { "key": "value" } }). Every other response body should contain a response in the following format.

```
{
  "response" : {
    "statusCode" : 403,
    "timeStamp" : 1284432567701,
    "date" : "2010-09-14T02:49:27.701+0000",
    "errors" : [ {
      "errorCode" : "AuthError",
      "message" : "Unable to authenticate user"
    } ],
    "custom" : [ ]
  }
}
```

The **statusCode** property should contain the same code as the HTTP status code and every response parser should ensure they match. This is especially important for status codes such as 404 (not found). When looking up a resource (e.g. GET /resource/1), a 404 response code will be returned to indicate that the existing resource does not exist. However, should an intermediate proxy or web server have problems and return an HTTP status code of 404, the client might inappropriately conclude that the resource does not exist.

The response always includes both the **timeStamp** in millis since epoch and **date** in [W3C Datetime Format - Complete date plus hours, minutes, seconds and a decimal fraction of a second](#)

The **errors** property in the response may contain one or more errors that occurred. Every resource URL may return common error responses and they may each return responses unique to those resources. Please see the appropriate resource API documentation for unique error codes.

The **custom** property in the response may contain one or more custom return values, which will be documented in the API documentation for each resource API.

Service API

The MediaTemple Service API provides developers with information about their (ve) services, including listing services and getting detailed information about each service.

- [Add Service](#) — This method provides a way to add a new MediaTemple service to the authenticated account.
 - [List Available Operating Systems](#) — This method retrieves a list of Operating Systems that may be installed.
 - [List Available Services](#) — This method returns a list of [Service Type](#) objects that can be provisioned via the [Add Service](#) method.
- [Add Temporary Disk Space](#) — This method provides a way to add temporary disk space to a sever for a specific MediaTemple service that is associated with the authenticated account.
- [Flush Firewall](#) — This method provides a way to flush the server firewall rules for a specific MediaTemple service that is associated with the authenticated account.
- [Get All Service Detail](#) — This method provides a way to retrieve the MediaTemple services associated with the currently authenticated account.
- [Get Service Detail](#) — This method provides a way to retrieve the service details for a specific MediaTemple service associated with the authenticated account.
- [Get Service Ids](#) — This method provides a way to retrieve the MediaTemple services associated with the currently authenticated account.
- [Reboot Server](#) — This method provides a way to reboot the server for a specific MediaTemple service that is associated with the authenticated account.
- [Set Plesk Password](#) — This method provides a way to set the plesk password for a specific MediaTemple service associated with the authenticated account.
- [Set Root Password](#) — This method provides a way to set the root password for a specific MediaTemple service associated with the authenticated account.

Add Service

This method provides a way to add a new MediaTemple service to the authenticated account.

Request Info

The following URL and HTTP method should be used:

HTTP Method	URL
POST	https://api.mediatemple.net/api/v1/services

The following data must be provided as a type-specific object (JSON/XML) in the body of the request:

Parameter	Type	Required	Default	Description
serviceType	int	yes	n/a	The service type. See also Service Type
operatingSystem	int	no	16 (Ubuntu 9.10 Karmic) (Service-Type dependent)	The operating system the service will be provision with. Only available for (ve) services. See also Operating System
primaryDomain	String	yes (dv only)	(ve) auto-generates a domain	The primary domain name for the new service.

Example JSON object

```
{
  "serviceType": 668,
  "primaryDomain": "blah.com"
  "operatingSystem": 16
}
```

Response Info

The response will return an HTTP status code to indicate the general category of success or failure to the client. More specific error codes and messages will be contained in the response data itself, if provided. For more information on response codes and parsing response data, see [Parsing API Responses](#).

Sample Request

To add a new service of service type 668, do the following:

```
curl -D log.txt -s -X "POST" -d '{ "serviceType": 668, "primaryDomain": "blah.com", "operatingSystem": 16}' \
-H "Content-type: application/json" \
"https://api.mediatemple.net/api/v1/services.json?apikey=a5h34sf62..."
```

Sample Response

Here is an example of the returned result:


```

{
  "response" : {
    "statusCode" : 202,
    "timeStamp" : 1284609174311,
    "date" : "2010-09-16T03:52:54.311+0000",
    "errors" : [ ],
    "custom" : [ ]
  }
}

```

Response Errors

All responses should be in the standard response format. For more information, see [Parsing API Responses](#)

Status Code	Error Code	Error Description
400	InvalidServiceType	The requested service type is not valid.
400	InvalidDomain	A domain must be specified for this service.
400	InvalidOS	The requested Operating System is not valid.
402	PaymentFailed	This order was not able to complete due to payment problems.
500	UnknownError	There was an unexpected error.

List Available Operating Systems

This method retrieves a list of Operating Systems that may be installed.

Note: Currently the only service that allows a specific operating system to be selected is the (ve) series.

Request Info

HTTP Method	URL
GET	https://api.mediatemple.net/api/v1/services/types/os

Remember: You need to specify your API Key in either the Authentication header, or as a URL parameter in order for this method to work.

Response Info

The response will contain a list of [Operating Systems](#) that can be used in a call to the [Add Service](#) method.

Sample Response

```
{
  "osTypes": [
    {
      "id": 16,
      "templateName": "ubuntu-9.10-x86_64",
      "osName": "Ubuntu 9.10",
      "osDescription": "Ubuntu 9.10 Karmic",
      "primarySortOrder": 10,
      "secondarySortOrder": 10,
      "defaultSelection": 1
    },
    .
    .
    .
    {
      "id": 1,
      "templateName": "centos-5-x86_64",
      "osName": "CentOS 5.4",
      "osDescription": "CentOS 5.4",
      "primarySortOrder": 40,
      "secondarySortOrder": 10,
      "defaultSelection": 0
    }
  ]
}
```

List Available Services

This method returns a list of [Service Type](#) objects that can be provisioned via the [Add Service](#) method.

Request Info

HTTP Method	URL
GET	https://api.mediatemple.net/api/v1/services/types

Remember: You need to specify your API Key in either the Authentication header, or as a URL parameter in order for this method to work.

Response Info

The response will contain a list of [Service Type](#) objects that can be used in a subsequent call to the [Add Service](#) method.

Sample Response

```

{
  "serviceTypes": [
    {
      "id": 668,
      "duration": "month-to-month",
      "description": "(ve) Server 1GB"
    },
    {
      "id": 669,
      "duration": "yearly",
      "description": "(ve) Server 1GB"
    },
    .
    .
    .
    {
      "id": 738,
      "duration": "yearly",
      "description": "(dv) Dedicated-Virtual 4.0 32GB"
    }
  ]
}

```

Add Temporary Disk Space

This method provides a way to add temporary disk space to a sever for a specific MediaTemple service that is associated with the authenticated account.

Request Info

The following URL and HTTP method should be used:

HTTP Method	URL
POST	https://api.mediatemple.net/api/v1/services/{serviceld}/disk/temp

The following parameters must be provided in the URL:

Parameter	Type	Description
serviceld	int	The service id

Response Info

The response will return an HTTP status code to indicate the general category of success or failure to the client. More specific error codes and messages will be contained in the response data itself, if provided. For more information on response codes and parsing response data, see [Parsing API Responses](#).

Sample Request

To add temporary disk space to the server for service 556, do the following:

```

curl -D log.txt -s -X "POST" \
  "https://api.mediatemple.net/api/v1/services/556/disk/temp.json?apikey=a5sf62..."

```

Sample Response

Here is an example of the returned result:

```

{
  "response" : {
    "statusCode" : 202,
    "timeStamp" : 1284609174311,
    "date" : "2010-09-16T03:52:54.311+0000",
    "errors" : [ ],
    "custom" : [ ]
  }
}

```

Sample Operation Pending

If another add temporary disk space operation is already pending (e.g. the above request is called a second time before the previous add temporary disk space job has completed), then you can expect a response like the following:

```

{
  "response" : {
    "statusCode" : 409,
    "timeStamp" : 1284609198593,
    "date" : "2010-09-16T03:53:18.593+0000",
    "errors" : [ {
      "errorCode" : "OperationPending",
      "message" : "An existing operation that conflicts is currently pending. This operation cannot be scheduled until it completes."
    } ],
    "custom" : [ ]
  }
}

```

Response Fields

All responses should be in the standard response format. For more information, see [Parsing API Responses](#)

Response Errors

Status Code	Error Code	Error Description
404	InvalidService	The specified serviceId was invalid
409	OperationPending	There is an existing operation that has not completed
500	UnknownError	There was an unexpected error.

Flush Firewall

This method provides a way to flush the server firewall rules for a specific MediaTemple service that is associated with the authenticated account.

Request Info

The following URL and HTTP method should be used:

HTTP Method	URL
POST	https://api.mediatemple.net/api/v1/services/{serviceId}/firewall/flush

The following parameters must be provided in the URL:

Parameter	Type	Description
serviceId	int	The service id

Response Info

The response will return an HTTP status code to indicate the general category of success or failure to the client. More specific error codes and messages will be contained in the response data itself, if provided. For more information on response codes and parsing response data, see [Parsing API Responses](#).

Sample Request

To flush the server firewall rules for a service, do the following:

```
curl -D log.txt -s -X "POST" \
  "https://api.mediatemple.net/api/v1/services/556/firewall/flush.json?apikey=a5h34sf62..."
```

Sample Response

Here is an example of the returned result:

```
{
  "response" : {
    "statusCode" : 202,
    "timeStamp" : 1284609174311,
    "date" : "2010-09-16T03:52:54.311+0000",
    "errors" : [ ],
    "custom" : [ ]
  }
}
```

Sample Operation Pending

If another flush firewall operation is already pending (e.g. the above request is called a second time before the flush firewall job has completed), then you can expect a response like the following:

```
{
  "response" : {
    "statusCode" : 409,
    "timeStamp" : 1284609198593,
    "date" : "2010-09-16T03:53:18.593+0000",
    "errors" : [ {
      "errorCode" : "OperationPending",
      "message" : "An existing operation that conflicts is currently pending. This operation cannot be scheduled until it completes."
    } ],
    "custom" : [ ]
  }
}
```

Response Fields

All responses should be in the standard response format. For more information, see [Parsing API Responses](#)

Response Errors

Status Code	Error Code	Error Description
404	InvalidService	The specified serviceId was invalid
409	OperationPending	There is an existing operation that has not completed
500	UnknownError	There was an unexpected error.

Get All Service Detail

This method provides a way to retrieve the MediaTemple services associated with the currently authenticated account.

Request Info

The following URL and HTTP method should be used:

HTTP Method	URL
GET	https://api.mediatemple.net/api/v1/services

Response Info

The response will contain a list of [Service](#) objects.

Here is an example of the returned result:

```
{
  "services" : [ {
    "id" : 555,
    "serviceType" : 668,
    "serviceTypeName" : "(ve) Server 1GB",
    "ipAddresses" : [ "192.168.200.30" ],
    "hostServer" : "vzd000.mediatemple.net",
    "billingStatus" : "0",
    "billingStatusText" : "OPEN",
    "operatingSystem" : "16",
    "operatingSystemName" : "Ubuntu 9.10 Karmic",
    "accessDomain" : "ve.gwrtsdfg.vesrv.com",
    "primaryDomain" : "tylerdurden.com",
    "addons" : [ ]
  }, {
    "id" : 556,
    "serviceType" : 605,
    "serviceTypeName" : "(dv) Dedicated-Virtual Base 3.5",
    "ipAddresses" : [ "192.168.200.31" ],
    "hostServer" : "vz000.mediatemple.net",
    "billingStatus" : "0",
    "billingStatusText" : "OPEN",
    "operatingSystem" : "1002",
    "operatingSystemName" : "Centos 5",
    "accessDomain" : null,
    "primaryDomain" : "dv35.tylerdurden.com",
    "addons" : [ {
      "id" : 258,
      "description" : "(dv) Linux Plesk Basic Unlimit"
    }, {
      "id" : 298,
      "description" : "(dv) Snapshot Backups"
    }, {
      "id" : 69,
      "description" : "(dv) 256mb memory"
    } ]
  } ]
}
```

Sample Request

To get a list of services in JSON format, do the following:

```
curl -D log.txt -s -X "GET" "https://api.mediatemple.net/api/v1/services.json?apikey=a5h34sf62..."
```

Get Service Detail

This method provides a way to retrieve the service details for a specific MediaTemple service associated with the authenticated account.

Request Info

The following URL and HTTP method should be used:

HTTP Method	URL
GET	https://api.mediatemple.net/api/v1/services/{serviceld}

The following parameters must be provided in the URL:

Parameter	Type	Description
serviceld	int	The service id

Response Info

The response will contain a [Service](#) object.

Here is an example of the returned result:

```
{
  "service" : {
    "id" : 556,
    "serviceType" : 605,
    "serviceTypeName" : "(dv) Dedicated-Virtual Base 3.5",
    "ipAddresses" : [ "192.168.200.66" ],
    "hostServer" : "vz000.mediatemple.net",
    "billingStatus" : "0",
    "billingStatusText" : "OPEN",
    "operatingSystem" : "1002",
    "operatingSystemName" : "Centos 5",
    "accessDomain" : null,
    "primaryDomain" : "dv35.tylerdurden.com",
    "pendingReboot" : "0",
    "addons" : [ {
      "id" : 258,
      "description" : "(dv) Linux Plesk Basic Unlimit"
    }, {
      "id" : 298,
      "description" : "(dv) Snapshot Backups"
    }, {
      "id" : 69,
      "description" : "(dv) 256mb memory"
    } ]
  }
}
```

Sample Request

To get a list of services in JSON format, do the following:

```
curl -D log.txt -s -X "GET" "https://api.mediatemple.net/api/v1/services/556.json?apikey=a5h34sf62..."
```

Get Service Ids

This method provides a way to retrieve the MediaTemple services associated with the currently authenticated account.

Request Info

The following URL and HTTP method should be used:

HTTP Method	URL
GET	https://api.mediatemple.net/api/v1/services/ids

Response Info

The response will return an HTTP status code to indicate the general category of success or failure to the client. More specific error codes and messages will be contained in the response data itself, if provided. For more information on response codes and parsing response data, see [Parsing API Responses](#).

Sample Request

To get a list of services in JSON format, do the following:

```
curl -D log.txt -s -X "GET" "https://api.mediatemple.net/api/v1/services/ids.json?apikey=a5h34sf62..."
```

Sample Response

Here is an example of the returned result:

```
{
  "serviceIds" : [ "560", "558", "559", "556", "557", "555" ]
}
```

Here is an example of the result in XML:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes">
<serviceIds>
  <serviceId>560</serviceId>
  <serviceId>558</serviceId>
  <serviceId>559</serviceId>
  <serviceId>556</serviceId>
  <serviceId>557</serviceId>
  <serviceId>555</serviceId>
</serviceIds>
```

Response Fields

The fields in the result represent the following:

Field	Description
serviceIds	The list of service ids associated with the currently authenticated account

Reboot Server

This method provides a way to reboot the server for a specific MediaTemple service that is associated with the authenticated account.

Request Info

The following URL and HTTP method should be used:

HTTP Method	URL
POST	https://api.mediatemple.net/api/v1/services/{serviceld}/reboot

The following parameters must be provided in the URL:

Parameter	Type	Description
serviceld	int	The service id

Response Info

The response will return an HTTP status code to indicate the general category of success or failure to the client. More specific error codes and messages will be contained in the response data itself, if provided. For more information on response codes and parsing response data, see [Parsing API Responses](#).

Sample Request

To get a list of services in JSON format, do the following:

```
curl -D log.txt -s -X "POST" \  
  "https://api.mediatemple.net/api/v1/services/556/reboot.json?apikey=a5h34sf62..."
```

Sample Response

Here is an example of the returned result:

```
{  
  "response" : {  
    "statusCode" : 202,  
    "timeStamp" : 1284609174311,  
    "date" : "2010-09-16T03:52:54.311+0000",  
    "errors" : [ ],  
    "custom" : [ ]  
  }  
}
```

Sample Operation Pending

If another set reboot operation is already pending (e.g. the above request is called a second time before the reboot job has completed), then you can expect a response like the following:

```

{
  "response" : {
    "statusCode" : 409,
    "timeStamp" : 1284609198593,
    "date" : "2010-09-16T03:53:18.593+0000",
    "errors" : [ {
      "errorCode" : "OperationPending",
      "message" : "An existing operation that conflicts is currently pending. This operation cannot
be scheduled until it completes."
    } ],
    "custom" : [ ]
  }
}

```

Response Fields

All responses should be in the standard response format. For more information, see [Parsing API Responses](#)

Response Errors

Status Code	Error Code	Error Description
404	InvalidService	The specified serviceId was invalid
409	OperationPending	There is an existing operation that has not completed
500	UnknownError	There was an unexpected error.

Set Plesk Password

This method provides a way to set the plesk password for a specific MediaTemple service associated with the authenticated account.

Request Info

The following URL and HTTP method should be used:

HTTP Method	URL
PUT	https://api.mediatemple.net/api/v1/services/{serviceId}/pleskPassword

The following parameters must be provided in the URL:

Parameter	Type	Description
serviceId	int	The service id

The body content of the request should contain a **pleskPassword** object with a single field **password** which contains the new plesk password.

Response Info

The response will return an HTTP status code to indicate the general category of success or failure to the client. More specific error codes and messages will be contained in the response data itself, if provided. For more information on response codes and parsing response data, see [Parsing API Responses](#).

Sample Request

To set the Plesk password, do the following:

```

curl -D log.txt -s -X "PUT" -d '{"password": "MyN3WPass"}' -H "Content-type: application/json" \
  "https://api.mediatemple.net/api/v1/services/556/pleskPassword.json?apikey=a5h34sf62..."

```

Sample Response

Here is an example of the returned result:

```
{
  "response" : {
    "statusCode" : 202,
    "timeStamp" : 1284609174311,
    "date" : "2010-09-16T03:52:54.311+0000",
    "errors" : [ ],
    "custom" : [ ]
  }
}
```

Sample Operation Pending

If another set plesk password operation is already pending (e.g. the above request is called a second time before the set plesk password job has completed), then you can expect a response like the following:

```
{
  "response" : {
    "statusCode" : 409,
    "timeStamp" : 1284609198593,
    "date" : "2010-09-16T03:53:18.593+0000",
    "errors" : [ {
      "errorCode" : "OperationPending",
      "message" : "An existing operation that conflicts is currently pending. This operation cannot be scheduled until it completes."
    } ],
    "custom" : [ ]
  }
}
```

Response Fields

All responses should be in the standard response format. For more information, see [Parsing API Responses](#)

Response Errors

Status Code	Error Code	Error Description
404	InvalidService	The specified serviceId was invalid
400	InvalidPassword	The specified password was invalid
409	OperationPending	There is an existing operation that has not completed
405	PleskNotAvailable	Plesk is not available on this service.
500	UnknownError	There was an unexpected error.

Set Root Password

This method provides a way to set the root password for a specific MediaTemple service associated with the authenticated account.

Request Info

The following URL and HTTP method should be used:

HTTP Method	URL

PUT	https://api.mediatemple.net/api/v1/services/{serviceld}/rootPassword
-----	--

The following parameters must be provided in the URL:

Parameter	Type	Description
serviceld	int	The service id

The body content of the request should contain a **rootPassword** object with a single field **password** which contains the new root password.

Response Info

The response will return an HTTP status code to indicate the general category of success or failure to the client. More specific error codes and messages will be contained in the response data itself, if provided. For more information on response codes and parsing response data, see [Parsing API Responses](#).

Sample Request

To set the Root password, do the following:

```
curl -D log.txt -s -X "PUT" -d '{"password": "MyN3WPass"}' -H "Content-type: application/json" \
  "https://api.mediatemple.net/api/v1/services/556/rootPassword.json?apikey=a5h34sf62..."
```

Sample Response

Here is an example of the returned result:

```
{
  "response" : {
    "statusCode" : 202,
    "timeStamp" : 1284609174311,
    "date" : "2010-09-16T03:52:54.311+0000",
    "errors" : [ ],
    "custom" : [ ]
  }
}
```

Sample Operation Pending

If another set root password operation is already pending (e.g. the above request is called a second time before the set root password job has completed), then you can expect a response like the following:

```
{
  "response" : {
    "statusCode" : 409,
    "timeStamp" : 1284609198593,
    "date" : "2010-09-16T03:53:18.593+0000",
    "errors" : [ {
      "errorCode" : "OperationPending",
      "message" : "An existing operation that conflicts is currently pending. This operation cannot
be scheduled until it completes."
    } ],
    "custom" : [ ]
  }
}
```

Response Errors

All responses should be in the standard response format. For more information, see [Parsing API Responses](#)

Status Code	Error Code	Error Description
404	InvalidService	The specified serviceld was invalid
400	InvalidPassword	The specified password was invalid
409	OperationPending	There is an existing operation that has not completed
500	UnknownError	There was an unexpected error.

Stats API

The MediaTemple Stats API provides developers with resource usage information on their (ve) services, including current and historical data for: cpu, memory, process, load, disk space, and network traffic. The API can also be used to determine when resource usage is abnormally high.

- [Get Current Stats](#) — This method provides a way to retrieve the current resource usage levels for a specific MediaTemple (ve) service.
- [Get Range Stats](#) — This method provides a way to retrieve the resource usage levels for a specific MediaTemple (ve) service over a specific range of time.
 - [Get Predefined Range Stats](#) — This method provides a way to retrieve the resource usage levels for a specific MediaTemple (ve) service over certain predefined ranges of time.
- [Get Warnings](#) — This method provides a way to retrieve current warnings for all services associated with the authenticated account.
 - [Get Warning Thresholds](#) — This method provides a way to retrieve the pre-defined thresholds for service warnings.

Get Current Stats

This method provides a way to retrieve the current resource usage levels for a specific MediaTemple (ve) service.

Request Info

The following URL and HTTP method should be used:

HTTP Method	URL
GET	https://api.mediatemple.net/api/v1/stats/{serviceld}

The following parameters must be provided in the URL:

Parameter	Type	Description
serviceld	int	The service id

Response Info

The response will return an HTTP status code to indicate the general category of success or failure to the client. More specific error codes and messages will be contained in the response data itself, if provided. For more information on response codes and parsing response data, see [Parsing API Responses](#).

Sample Request

To get the stats for service 1000 in JSON format, do the following:

```
curl -D log.txt -s -X "GET" "https://api.mediatemple.net/api/v1/stats/1000.json?apikey=a5hf62..."
```

Sample Response

Here is an example of the returned result:

```

{
  "stats" : {
    "timeStamp" : 1284170031,
    "cpu" : 69.76,
    "memory" : 59.8,
    "load1Min" : 19.93,
    "load5Min" : 29.9,
    "load15Min" : 39.86,
    "processes" : 50,
    "diskSpace" : 49.83,
    "kbytesIn" : 79.73,
    "kbytesOut" : 89.69,
    "packetsIn" : 99.66,
    "packetsOut" : 109.62,
    "state" : 1
  }
}

```

Response Fields

The fields in the result represent the following:

Field	Description
timeStamp	The time these stats were recorded
cpu	The percentage of CPU being consumed
memory	The percentage of memory currently allocated
load1Min	The system load average for the past minute
load5Min	The system load average for the past 5 minutes
load15Min	The system load average for the past 15 minutes
processes	The number of processes currently running
diskSpace	The percentage of disk space currently used
kbytesIn	The kilobytes in per second
kbytesOut	The kilobytes out per second
packetsIn	The packets in per second
packetsOut	The packets our per second
state	The server state (0=off, 1=running)

Get Range Stats

This method provides a way to retrieve the resource usage levels for a specific MediaTemple (ve) service over a specific range of time.

Request Info

The following URL and HTTP method should be used:

HTTP Method	URL
GET	https://api.mediatemple.net/api/v1/stats/{serviceId}

See Also [Get Predefined Range Stats](#)

The following parameters must be provided in the URL:

Parameter	Type	Description
serviceId	int	The service id

The following query parameters can be provided in the URL:

Parameter	Type	Description
start	int	The beginning of the range in epoch seconds
end	int	The end of the range in epoch seconds
resolution	int	The interval of data points in seconds to request. The closest actual data point collection interval will be returned, which may result in fewer or greater data points than expected. DEFAULT=15
precision	int	The numeric precision to use in returned data. Digits to the right of the decimal. DEFAULT=2

Response Info

The response will return an HTTP status code to indicate the general category of success or failure to the client. More specific error codes and messages will be contained in the response data itself, if provided. For more information on response codes and parsing response data, see [Parsing API Responses](#).

Sample Request

To get the stats for service 1000 over a 60 second interval beginning at 1284439817 and ending 1284439877 in JSON format, do the following:

```
curl -D log.txt -s -X "GET" \  
"https://api.mediatemple.net/api/v1/stats/555.json?start=1284439817&end=1284439877&apikey=..."
```

Sample Response

Here is an example of the returned result:

```

{
  "statsList" : {
    "timeStamp" : 1284439830,
    "resolution" : 15,
    "serviceId" : 555,
    "stats" : [ {
      "timeStamp" : 1284439830,
      "cpu" : 47.43482,
      "memory" : 40.658417,
      "load1Min" : 13.552806,
      "load5Min" : 20.329208,
      "load15Min" : 27.105612,
      "processes" : 39,
      "diskSpace" : 33.882015,
      "kbytesIn" : 54.211224,
      "kbytesOut" : 60.987625,
      "packetsIn" : 67.76403,
      "packetsOut" : 74.540436,
      "state" : 1
    }, {
      "timeStamp" : 1284439845,
      "cpu" : 22.831272,
      "memory" : 19.56966,
      "load1Min" : 6.52322,
      "load5Min" : 9.784831,
      "load15Min" : 13.046441,
      "processes" : 39,
      "diskSpace" : 16.30805,
      "kbytesIn" : 26.092882,
      "kbytesOut" : 29.354492,
      "packetsIn" : 32.6161,
      "packetsOut" : 35.877712,
      "state" : 1
    }, {
      "timeStamp" : 1284439860,
      "cpu" : 63.22567,
      "memory" : 54.19343,
      "load1Min" : 18.064478,
      "load5Min" : 27.096716,
      "load15Min" : 36.128956,
      "processes" : 6,
      "diskSpace" : 45.161194,
      "kbytesIn" : 72.25791,
      "kbytesOut" : 81.290146,
      "packetsIn" : 90.32239,
      "packetsOut" : 99.35462,
      "state" : 1
    }, {
      "timeStamp" : 1284439875,
      "cpu" : 43.377197,
      "memory" : 37.180454,
      "load1Min" : 12.393485,
      "load5Min" : 18.590227,
      "load15Min" : 24.786968,
      "processes" : 4,
      "diskSpace" : 30.983711,
      "kbytesIn" : 49.57394,
      "kbytesOut" : 55.77068,
      "packetsIn" : 61.967422,
      "packetsOut" : 68.16417,
      "state" : 1
    } ]
  }
}

```

There are 4 entries (1284439830, 1284439845, 1284439860, 1284439875) for a 60 second window with a default interval of 15 seconds. The time range we asked for was 1284439817 through 1284439877 and there are exactly 4 data points recorded in that range, inclusive of the start

and end range times.

If the range was adjusted to 1284439815 through 1284439875, a 60 second window with a default interval of 15 seconds, 5 data points would be returned. Since data points are collected every 15 seconds from the top of the minute and the range is inclusive, we get an extra data point for time 1284439815 in addition to the data points above.

Sample Request

To get the stats for service 1000 at exactly 1284439830 in JSON format, do the following:

```
curl -D log.txt -s -X "GET" --user "user:password" \
  "http://api.mediatemple.net/api/v1/stats/555.json?start=1284439830&end=1284439830"
```

Sample Response 2

Here is an example of the returned result:

```
{
  "statsList" : {
    "timeStamp" : 1284439830,
    "resolution" : 15,
    "serviceId" : 555,
    "stats" : [ {
      "timeStamp" : 1284439830,
      "cpu" : 47.43482,
      "memory" : 40.658417,
      "load1Min" : 13.552806,
      "load5Min" : 20.329208,
      "load15Min" : 27.105612,
      "processes" : 39,
      "diskSpace" : 33.882015,
      "kbytesIn" : 54.211224,
      "kbytesOut" : 60.987625,
      "packetsIn" : 67.76403,
      "packetsOut" : 74.540436,
      "state" : 1
    } ]
  }
}
```

If you specify both the start and end ranges as a single time (e.g. 1284439830), you would get back the single data point that falls exactly at that time. This is only true if the specified time matches an existing data point.

Response Fields

The fields in the result represent the following:

Field	Description
timeStamp	The time these stats were recorded
cpu	The percentage of CPU being consumed
memory	The percentage of memory currently allocated
load1Min	The system load average for the past minute
load5Min	The system load average for the past 5 minutes
load15Min	The system load average for the past 15 minutes
processes	The number of processes currently running
diskSpace	The percentage of disk space currently used

kbytesIn	The kilobytes in per second
kbytesOut	The kilobytes out per second
packetsIn	The packets in per second
packetsOut	The packets our per second
state	The server state (0=off, 1=running)

Get Predefined Range Stats

This method provides a way to retrieve the resource usage levels for a specific MediaTemple (ve) service over certain predefined ranges of time.

Request Info

The following URL and HTTP methods are available:

HTTP Method	URL	Resolution *
GET	https://api.mediatemple.net/api/v1/stats/{serviceld}/5min	15
GET	https://api.mediatemple.net/api/v1/stats/{serviceld}/15min	15
GET	https://api.mediatemple.net/api/v1/stats/{serviceld}/30min	15
GET	https://api.mediatemple.net/api/v1/stats/{serviceld}/1hour	60
GET	https://api.mediatemple.net/api/v1/stats/{serviceld}/1day	900
GET	https://api.mediatemple.net/api/v1/stats/{serviceld}/1week	7200
GET	https://api.mediatemple.net/api/v1/stats/{serviceld}/1month	28800
GET	https://api.mediatemple.net/api/v1/stats/{serviceld}/3month	86400
GET	https://api.mediatemple.net/api/v1/stats/{serviceld}/1year	86400

* Note: Resolution is fixed and denotes the interval in seconds that data points are to be returned for. So only one data point per minute will be returned for the *1hour* predefined range, whereas $15 * 4$ (60 seconds per minute / 15 second interval) data points will be returned for the *15min* predefined range.

The following parameters must be provided in the URL:

Parameter	Type	Description
serviceld	int	The service id

The following query parameters can be provided in the URL:

Parameter	Type	Description
precision	int	The numeric precision to use in returned data. Digits to the right of the decimal. DEFAULT=2

Response Info

The response will return an HTTP status code to indicate the general category of success or failure to the client. More specific error codes and messages will be contained in the response data itself, if provided. For more information on response codes and parsing response data, see [Parsing API Responses](#).

Sample Request

To get the stats for the past 5 minutes in JSON format, do the following:

```
curl -D log.txt -s -X "GET" \
  "https://api.mediatemple.net/api/v1/stats/555/5min.json?apikey=a5h34sf62..."
```

Sample Response

Here is an example of the returned result:

```

{
  "statsList" : {
    "timeStamp" : 1284439830,
    "resolution" : 15,
    "serviceId" : 555,
    "stats" : [ {
      "timeStamp" : 1284439830,
      "cpu" : 47.43482,
      "memory" : 40.658417,
      "load1Min" : 13.552806,
      "load5Min" : 20.329208,
      "load15Min" : 27.105612,
      "processes" : 39,
      "diskSpace" : 33.882015,
      "kbytesIn" : 54.211224,
      "kbytesOut" : 60.987625,
      "packetsIn" : 67.76403,
      "packetsOut" : 74.540436,
      "state" : 1
    }, {
      "timeStamp" : 1284439845,
      "cpu" : 22.831272,
      "memory" : 19.56966,
      "load1Min" : 6.52322,
      "load5Min" : 9.784831,
      "load15Min" : 13.046441,
      "processes" : 39,
      "diskSpace" : 16.30805,
      "kbytesIn" : 26.092882,
      "kbytesOut" : 29.354492,
      "packetsIn" : 32.6161,
      "packetsOut" : 35.877712,
      "state" : 1
    }, {
      "timeStamp" : 1284439860,
      "cpu" : 63.22567,
      "memory" : 54.19343,
      "load1Min" : 18.064478,
      "load5Min" : 27.096716,
      "load15Min" : 36.128956,
      "processes" : 6,
      "diskSpace" : 45.161194,
      "kbytesIn" : 72.25791,
      "kbytesOut" : 81.290146,
      "packetsIn" : 90.32239,
      "packetsOut" : 99.35462,
      "state" : 1
    }, {
      "timeStamp" : 1284439875,
      "cpu" : 43.377197,
      "memory" : 37.180454,
      "load1Min" : 12.393485,
      "load5Min" : 18.590227,
      "load15Min" : 24.786968,
      "processes" : 4,
      "diskSpace" : 30.983711,
      "kbytesIn" : 49.57394,
      "kbytesOut" : 55.77068,
      "packetsIn" : 61.967422,
      "packetsOut" : 68.16417,
      "state" : 1
    }
  ]
}

```

The returned data points will include all point from *now()-5 minutes* through *now()*, where *now()* is the current time of the request.

Response Fields

The fields in the result represent the following:

Field	Description
timeStamp	The time these stats were recorded
cpu	The percentage of CPU being consumed
memory	The percentage of memory currently allocated
load1Min	The system load average for the past minute
load5Min	The system load average for the past 5 minutes
load15Min	The system load average for the past 15 minutes
processes	The number of processes currently running
diskSpace	The percentage of disk space currently used
kbytesIn	The kilobytes in per second
kbytesOut	The kilobytes out per second
packetsIn	The packets in per second
packetsOut	The packets our per second
state	The server state (0=off, 1=running)

Get Warnings

This method provides a way to retrieve current warnings for all services associated with the authenticated account. This method only provides warnings that are currently in progress (e.g. it will not return all warnings for exceeded thresholds over the past hour).

Request Info

The following URL and HTTP method should be used:

HTTP Method	URL
GET	https://api.mediatemple.net/api/v1/stats/warnings

Response Info

The response will return an HTTP status code to indicate the general category of success or failure to the client. More specific error codes and messages will be contained in the response data itself, if provided. For more information on response codes and parsing response data, see [Parsing API Responses](#).

Sample Request

To get the warnings for the authenticated account in JSON format, do the following:

```
curl -D log.txt -s -X "GET" "https://api.mediatemple.net/api/v1/stats/warnings.json?apikey=a5hf62..."
```

Sample Response

Here is an example of the returned result:

```

{
  "multipleServiceWarnings" : {
    "timeStamp" : 1284599245,
    "serviceWarning" : [ {
      "host" : "vzd000.mediatemple.net",
      "serviceId" : 555,
      "warning" : [ {
        "stat" : "load1Min",
        "status" : "Warning",
        "value" : 16.0,
        "min" : 15,
        "max" : 24,
        "percent" : false,
        "description" : "This is an unhealthy server",
        "url" : "http://www.google.com/search?q=warning"
      }, {
        "stat" : "load5Min",
        "status" : "Warning",
        "value" : 24.0,
        "min" : 15,
        "max" : 24,
        "percent" : false,
        "description" : "This is an unhealthy server",
        "url" : "http://www.google.com/search?q=warning"
      }, {
        "stat" : "load15Min",
        "status" : "Critical",
        "value" : 31.99,
        "min" : 25,
        "max" : null,
        "percent" : false,
        "description" : "This server is in critical condition",
        "url" : "http://www.google.com/search?q=critical"
      } ]
    } ]
  }
}

```

The response above contains 3 warnings for a single service: load1Min (warning), load5Min (warning) and load15Min (critical). To get a list of the thresholds used to determine if a service has warnings see [Get Warning Thresholds](#). Note that only non-healthy (Warning, Critical, Offline) thresholds will be returned.

Response Fields

The fields in the result represent the following:

Field	Description
timeStamp	The time these stats were recorded
serviceWarning	A list of service warnings

The fields for each Service Warning represent the following:

Field	Description
host	The hostname of the service with warnings
serviceId	The service id of the service with warnings
warning	A list of warnings for the service

The fields for each warning represent the following:

Field	Description
-------	-------------

stat	The service stat that is over a threshold
status	The name of the threshold reached. See Get Warning Thresholds
value	The recorded stat value that is over a threshold
min	The start of the range for the current status type
max	The end of the range for the current status type
percent	Whether or not the value represents a percentage
description	A description of the current status
url	A URL to more information about the current status

Get Warning Thresholds

This method provides a way to retrieve the pre-defined thresholds for service warnings.

Request Info

The following URL and HTTP method should be used:

HTTP Method	URL
GET	https://api.mediatemple.net/api/v1/stats/warnings/thresholds

Response Info

The response will return an HTTP status code to indicate the general category of success or failure to the client. More specific error codes and messages will be contained in the response data itself, if provided. For more information on response codes and parsing response data, see [Parsing API Responses](#).

Sample Request

To get the warnings thresholds for the authenticated account in JSON format, do the following:

```
curl -D log.txt -s -X "GET" \
  "https://api.mediatemple.net/api/v1/stats/warnings/thresholds.json?apikey=a5h34sf62..."
```

Sample Response

Here is an example of the returned result:

```
{
  "thresholds" : {
    "cpu" : [ {
      "min" : 0,
      "percent" : true,
      "max" : 89,
      "desc" : "This is a healthy server",
      "name" : "Healthy",
      "url" : "http://wiki.mediatemple.net/w/Server_Status"
    }, {
      "min" : 90,
      "percent" : true,
      "max" : 119,
      "desc" : "This is an unhealthy server",
      "name" : "Warning",
      "url" : "http://wiki.mediatemple.net/w/Server_Status"
    }, {
      "min" : 120,
```

```

    "percent" : true,
    "max" : null,
    "desc" : "This server is in critical condition",
    "name" : "Critical",
    "url" : "http://wiki.mediatemple.net/w/Server_Status"
  } ],
  "memory" : [ {
    "min" : 0,
    "percent" : true,
    "max" : 89,
    "desc" : "This is a healthy server",
    "name" : "Healthy",
    "url" : "http://wiki.mediatemple.net/w/Server_Status"
  }, {
    "min" : 90,
    "percent" : true,
    "max" : 119,
    "desc" : "This is an unhealthy server",
    "name" : "Warning",
    "url" : "http://wiki.mediatemple.net/w/Server_Status"
  }, {
    "min" : 120,
    "percent" : true,
    "max" : null,
    "desc" : "This server is in critical condition",
    "name" : "Critical",
    "url" : "http://wiki.mediatemple.net/w/Server_Status"
  } ],
  "diskSpace" : [ {
    "min" : 0,
    "percent" : true,
    "max" : 74,
    "desc" : "This is a healthy server",
    "name" : "Healthy",
    "url" : "http://wiki.mediatemple.net/w/Server_Status"
  }, {
    "min" : 75,
    "percent" : true,
    "max" : 89,
    "desc" : "This is an unhealthy server",
    "name" : "Warning",
    "url" : "http://wiki.mediatemple.net/w/Server_Status"
  }, {
    "min" : 90,
    "percent" : true,
    "max" : 100,
    "desc" : "This server is in critical condition",
    "name" : "Critical",
    "url" : "http://wiki.mediatemple.net/w/Server_Status"
  } ],
  "processes" : [ {
    "min" : 0,
    "percent" : false,
    "max" : 39,
    "desc" : "This is a healthy server",
    "name" : "Healthy",
    "url" : "http://wiki.mediatemple.net/w/Server_Status"
  }, {
    "min" : 40,
    "percent" : false,
    "max" : 59,
    "desc" : "This is an unhealthy server",
    "name" : "Warning",
    "url" : "http://wiki.mediatemple.net/w/Server_Status"
  }, {
    "min" : 60,
    "percent" : false,
    "max" : null,
    "desc" : "This server is in critical condition",
    "name" : "Critical",

```



```

    "url" : "http://wiki.mediatemple.net/w/Server_Status"
  } ],
  "load1Min" : [ {
    "min" : 0,
    "percent" : false,
    "max" : 14,
    "desc" : "This is a healthy server",
    "name" : "Healthy",
    "url" : "http://wiki.mediatemple.net/w/Server_Status"
  }, {
    "min" : 15,
    "percent" : false,
    "max" : 24,
    "desc" : "This is an unhealthy server",
    "name" : "Warning",
    "url" : "http://wiki.mediatemple.net/w/Server_Status"
  }, {
    "min" : 25,
    "percent" : false,
    "max" : null,
    "desc" : "This server is in critical condition",
    "name" : "Critical",
    "url" : "http://wiki.mediatemple.net/w/Server_Status"
  } ],
  "load5Min" : [ {
    "min" : 0,
    "percent" : false,
    "max" : 14,
    "desc" : "This is a healthy server",
    "name" : "Healthy",
    "url" : "http://wiki.mediatemple.net/w/Server_Status"
  }, {
    "min" : 15,
    "percent" : false,
    "max" : 24,
    "desc" : "This is an unhealthy server",
    "name" : "Warning",
    "url" : "http://wiki.mediatemple.net/w/Server_Status"
  }, {
    "min" : 25,
    "percent" : false,
    "max" : null,
    "desc" : "This server is in critical condition",
    "name" : "Critical",
    "url" : "http://wiki.mediatemple.net/w/Server_Status"
  } ],
  "load15Min" : [ {
    "min" : 0,
    "percent" : false,
    "max" : 14,
    "desc" : "This is a healthy server",
    "name" : "Healthy",
    "url" : "http://wiki.mediatemple.net/w/Server_Status"
  }, {
    "min" : 15,
    "percent" : false,
    "max" : 24,
    "desc" : "This is an unhealthy server",
    "name" : "Warning",
    "url" : "http://wiki.mediatemple.net/w/Server_Status"
  }, {
    "min" : 25,
    "percent" : false,
    "max" : null,
    "desc" : "This server is in critical condition",
    "name" : "Critical",
    "url" : "http://wiki.mediatemple.net/w/Server_Status"
  } ],
  "state" : [ {
    "min" : 0,

```

```
    "percent" : false,  
    "max" : 0,  
    "desc" : "This server is offline",  
    "name" : "Offline",  
    "url" : "http://wiki.mediatemple.net/w/Server_Status"  
  }, {  
    "min" : 1,  
    "percent" : false,  
    "max" : 1,  
    "desc" : "This server is online",  
    "name" : "Online",  
    "url" : "http://wiki.mediatemple.net/w/Server_Status"  
  } ]
```

```

    }
  }

```

The response above contains multiple possible threshold statuses for each service stat.

Response Fields

The fields in the result represent the following:

Field	Description
thresholds	A list of service stats

The fields for each Service Stat represent the following:

Field	Description
name	The name of the current status type
min	The start of the range for the current status type
max	The end of the range for the current status type
percent	Whether or not the value represents a percentage
description	A description of the current status
url	A URL to more information about the current status

Appendix A - API Objects

The various Objects that the API can return/consume

- [Operating System](#)
- [Service](#)
- [Service Type](#)

Operating System

osType Object

JSON representation

```

{
  "osType": {
    "id": 16,
    "templateName": "ubuntu-9.10-x86_64",
    "osName": "Ubuntu 9.10",
    "osDescription": "Ubuntu 9.10 Karmic",
    "primarySortOrder": 10,
    "secondarySortOrder": 10,
    "defaultSelection": 1
  }
}

```

XML representation

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<osType>
  <id>16</id>
  <templateName>ubuntu-9.10-x86_64</templateName>
  <osName>Ubuntu 9.10</osName>
  <osDescription>Ubuntu 9.10 Karmic</osDescription>
  <primarySortOrder>10</primarySortOrder>
  <secondarySortOrder>10</secondarySortOrder>
  <defaultSelection>1</defaultSelection>
</osType>
```

Fields

id

This is the value that is used for the `operatingSystem` parameter of the [Add Service](#) method call.

templateName

Used by (mt) when building the OS.

osName

Human-readable name of the OS - suitable for inclusion into selection lists.

osDescription

Human-readable description of the OS.

primarySortOrder

Used in conjunction with `secondarySortOrder` when displaying a listing of available OS's.

Internally, when the `'.../types/os'` method is called, the items are sorted upon return based on: $((\text{primarySortOrder} * 1000000) + \text{secondarySortOrder})$

secondarySortOrder

Used in conjunction with `primarySortOrder` when displaying a listing of available OS's.

defaultSelection

If set to 1 this should be the default selection (when listed). If an `operatingSystem` is not specified for a (ve) service then this is the OS that will be installed.

Notes

Following is a list of Operating Systems that are available (as of 1/28/2011) to be installed on a new (ve) server.

The actual list may change, so it is wise to consult the output of the [List Available Operating Systems](#) method to get the most up-to-date list.

id	OS Name	Notes
1	CentOS 5.4	
7	Ubuntu 8.04 LTS Hardy	
13	Debian 5.0 Lenny	
15	Fedora Core 12	
16	Ubuntu 9.10 Karmic	Default OS if none specified

Service

service Object

JSON representation

```
{
  "service" : {
    "id" : 556,
    "serviceType" : 605,
    "serviceName" : "(dv) Dedicated-Virtual Base 3.5",
    "ipAddresses" : [ "192.168.200.66" ],
    "hostServer" : "vz000.mediatemple.net",
    "billingStatus" : "0",
    "billingStatusText" : "OPEN",
    "operatingSystem" : "1002",
    "operatingSystemName" : "Centos 5",
    "accessDomain" : null,
    "primaryDomain" : "dv35.tylerdurden.com",
    "pendingReboot" : "0",
    "addons" : [ {
      "id" : 258,
      "description" : "(dv) Linux Plesk Basic Unlimit"
    }, {
      "id" : 298,
      "description" : "(dv) Snapshot Backups"
    }, {
      "id" : 69,
      "description" : "(dv) 256mb memory"
    } ]
  }
}
```

Fields

id

The service id.

serviceType

The service type as an integer.

serviceName

The service type description.

ipAddresses

The list of IP addresses associated with the service.

hostServer

The server this service is hosted on.

billingStatus

The billing status as an integer.

Value	Meaning
0	OPEN
1	CLOSED

2	SUSPENDED
3	WAIT FOR PAYMENT

billingStatusText

The billing status description.

operatingSystem

The operating system as an integer. (see [Operating System](#))

operatingSystemName

The operating system description.

accessDomain

The access domain associated with the service.

primaryDomain

The primary domain for the service.

pendingReboot

A reboot request has been lodged for this service, and has not yet completed.

Note that this value will only return 1 for the period between the reboot being lodged and the reboot being executed. The service will require additional time for the reboot to actually complete.

addons

Any addons associated with the service.

The fields for each Add-on represent the following:

Field	Description
id	The add-on id
description	The description of the add-on

Service Type

serviceType Object

JSON representation

```
{
  "serviceType": {
    "id": 668,
    "duration": "month-to-month",
    "description": "(ve) Server 1GB"
  }
}
```

XML representation

```
<serviceType>
  <id>668</id>
  <duration>month-to-month</duration>
  <description>(ve) Server 1GB</description>
</serviceType>
```

Fields

id

This is the value that is used for the `serviceType` parameter of the [Add Service](#) method call.

duration

Billing period for this service.

description

Description of the service.