

# System Settings API. v1.0

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# Overview

# Resources

## Settings: Get System Settings

Get System Settings.

```
GET https://{device}/api/npm.system_settings/1.0/settings
```

### Authorization

This request requires authorization.

### Response Body

On success, the server returns a response body with the following structure:

JSON

```
{
  "local_time": string,
  "timezone": string,
  "http": {
    "port": number,
    "disabled": string
  },
  "ntp_servers": {
    "items": [
      {
        "order": number,
        "ipaddr": string,
        "encryption": string,
        "index": number
      }
    ]
  },
  "https": {
    "port": number,
    "ssl_protocols": string,
    "ssl_ciphers": string,
    "disabled": string
  },
  "licenses": {
    "items": [
      {
        "featurekey": string,
        "status": string,
        "description": string,
        "serial_number": string,
        "scope": string,
        "install_method": string,
        "key": string,
        "host": string
      }
    ]
  }
}
```

Example:

```
{
  "http": {
    "disabled": true,
    "port": 80
  },
  "ntp_servers": {
    "items": [
      {
        "encryption": "NONE",
        "ipaddr": "10.38.130.25",
        "order": 1,
        "index": 0
      },
      {
        "encryption": "MD5",
        "ipaddr": "10.38.128.29",
        "order": 2,
        "index": 2001
      }
    ]
  }
}
```

```

{
  "encryption": "SHA1",
  "ipaddr": "10.38.128.30",
  "order": 3,
  "index": 2002
}
],
"local_time": "1588195616",
"https": {
  "disabled": false,
  "ssl_ciphers": "EECDH+AESGCM:EDH+AESGCM:AES256+EECDH:AES256+EDH",
  "port": 443,
  "ssl_protocols": "TLSv1.2"
},
"licenses": {
  "items": [
    {
      "status": "Valid",
      "description": "Unlimited",
      "install_method": "factory",
      "host": "uihost",
      "key": "LK1-VLAB-0000-0000-1-DE6E-948E-A21B",
      "serial_number": "Z59VM0009E364",
      "scope": "feature",
      "featurekey": "VLAB"
    }
  ]
},
"timezone": "America/New_York"
}

```

Property Name	Type	Description	Notes
<i>SystemSettings</i>	<object>	System Settings.	
<i>SystemSettings.local_time</i>	<string>	System local time (unix epoch).	
<i>SystemSettings.timezone</i>	<string>	System time zone.	
<i>SystemSettings.http</i>	<object>	HTTP Settings.	
<i>SystemSettings.http.port</i>	<number>	HTTP port.	
<i>SystemSettings.http.disabled</i>	<string>	Is HTTP disabled.	
<i>SystemSettings.ntp_servers</i>	<object>	NTP servers.	
<i>SystemSettings.ntp_servers.items</i>	<array of <object>	NTP servers.	
<i>SystemSettings.ntp_servers.items</i> [SettingsNTP]	<object>	NTP Server.	Optional
<i>SystemSettings.ntp_servers.items</i> [SettingsNTP].order	<number>	Server order.	
<i>SystemSettings.ntp_servers.items</i> [SettingsNTP].ipaddr	<string>	IP address of the NTP server.	
<i>SystemSettings.ntp_servers.items</i> [SettingsNTP].encryption	<string>	Encryption.	Values: NONE, MD5, SHA1
<i>SystemSettings.ntp_servers.items</i> [SettingsNTP].index	<number>	Index (between 0 and 65536).	
<i>SystemSettings.https</i>	<object>	HTTPS Settings.	
<i>SystemSettings.https.port</i>	<number>	HTTPS port.	
<i>SystemSettings.https.ssl_protocols</i>	<string>	SSL Protocols.	
<i>SystemSettings.https.ssl_ciphers</i>	<string>	SSL ciphers.	
<i>SystemSettings.https.disabled</i>	<string>	IS HTTPS disabled.	
<i>SystemSettings.licenses</i>	<object>	Licenses.	
<i>SystemSettings.licenses.items</i>	<array of <object>	Licenses.	
<i>SystemSettings.licenses.items</i> [SettingsLicense]	<object>	License.	Optional
<i>SystemSettings.licenses.items</i> [SettingsLicense].featurekey	<string>	Feature key.	
<i>SystemSettings.licenses.items</i> [SettingsLicense].status	<string>	Status (Active, OK, Invalid, etc.)	
<i>SystemSettings.licenses.items</i> [SettingsLicense].description	<string>	Description.	
<i>SystemSettings.licenses.items</i> [SettingsLicense].serial_number	<string>	Serial number.	
<i>SystemSettings.licenses.items</i> [SettingsLicense].scope	<string>	Scope.	

<code>SystemSettings.licenses.items [SettingsLicense].install_method</code>	<code>&lt;string&gt;</code>	Installation method.	
<code>SystemSettings.licenses.items [SettingsLicense].key</code>	<code>&lt;string&gt;</code>	Key.	
<code>SystemSettings.licenses.items [SettingsLicense].host</code>	<code>&lt;string&gt;</code>	Module host name.	

## Error Codes

In the event that an error occurs while processing a request, the server will respond with appropriate HTTP status code and additional information in the response body:

```
{
  "error_id": "{error identifier}",
  "error_text": "{error description}",
  "error_info": {error specific data structure, optional}
}
```

The table below lists the possible errors and the associated HTTP status codes that may returned.

Error ID	HTTP Status	Comments
INTERNAL_ERROR	500	Internal server error.
AUTH_REQUIRED	401	The requested resource requires authentication.
AUTH_INVALID_CREDENTIALS	401	Invalid username and/or password.
AUTH_INVALID_SESSION	401	Session ID is invalid.
AUTH_EXPIRED_PASSWORD	403	The password must be changed. Access only to password change resources.
AUTH_DISABLED_ACCOUNT	403	Account is either temporarily or permanently disabled.
AUTH_FORBIDDEN	403	User is not authorized to access the requested resource.
AUTH_INVALID_TOKEN	401	OAuth access token is invalid.
AUTH_EXPIRED_TOKEN	401	OAuth access token is expired.
AUTH_INVALID_CODE	401	OAuth access code is invalid.
AUTH_EXPIRED_CODE	401	OAuth access code is expired.
RESOURCE_NOT_FOUND	404	Requested resource was not found.
HTTP_INVALID_METHOD	405	Requested method is not available for this resource.
HTTP_INVALID_HEADER	400	An HTTP header was malformed.
REQUEST_INVALID_INPUT	400	Malformed input structure.
URI_INVALID_PARAMETER	400	URI parameter is not supported or malformed.
URI_MISSING_PARAMETER	400	Missing required parameter.