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# Resource - certificate

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## About this Resource

Defines the **Certificates** resource containing the certificate configuration settings on the SBC Edge system.

## REST API Methods for this Resource

- GET certificate
- GET certificate id
- DELETE certificate id
- POST certificate - action download
- POST certificate - action import
- POST certificate - action export12
- POST certificate - action import12

## Resource Schema

### Configuration

Parameter Name	Required	Service Affecting	Data Type	Default Value	Possible Values	Description
<b>CertFileName</b>	Yes	No	string	none	80 - Max Length	Indicates the name of the file to be uploaded with allowable file type extension such as pem, der, cer, ber and p7b.
<b>CertFileOperation</b>	Yes	No	Enum	0	Possible values: <ul style="list-style-type: none"><li>• 0 - certOperationUnknown</li><li>• 1 - certOperationCopyAndPaste</li><li>• 2 - certOperationFileUpload</li></ul>	Specifies the mode to be used for uploading the certificate file. <ul style="list-style-type: none"><li>• <b>Copy and Paste</b> - Indicates copy and paste of the base64 encoded content from the signed server certificate file.</li><li>• <b>File Upload</b> - Indicates the name of the file to be uploaded with allowable file type extension such as pem, der, cer, ber and p7b.</li></ul>

<b>CertFileContent</b>	Yes	No	string	none	15000 - Max Length	Indicates copy and paste of the entire data to be copied from a base64 encoded signed server certificate file.
<b>CertSerialNumber</b>	Yes	No	string	none	200 - Max Length	Identifies the certificate with a unique text string.
<b>CertCommonName</b>	Yes	No	string	none	64 - Max Length	Displays the Common Name of the certificate
<b>CertIssuerName</b>	Yes	No	string	none	1000 - Max Length	Displays all the relevant issuer name fields of the certificate.
<b>CertSubjectName</b>	Yes	No	string	none	1000 - Max Length	Displays all the relevant subject name fields of the certificate.
<b>CertStartDateEpoch</b>	Yes	No	long	0		Indicates the date and time from which this certificate is considered valid in Epoch Seconds, with a January 1, 1970 baseline.
<b>CertEndDateEpoch</b>	Yes	No	long	0		Indicates the certificate expiration date and time in Epoch Seconds, with a January 1, 1970 baseline.
<b>CertKeyLength</b>	Yes	No	int	0	Possible values: <ul style="list-style-type: none"> <li>• 0 - Minimum</li> <li>• 65535 - Maximum</li> </ul>	Displays the key size to use when generating the Certificate Signing Request public and private key pair.
<b>CertSignatureAlgo</b>	Yes	No	string	none	64 - Max Length	Displays the security algorithm used to create the certificate signature.

<b>CertExtendedKeyUsage</b>	Yes	No	string	none	300 - Max Length	Displays the enhanced key usage for defining the purposes for which the subject's public key may be used. TLS Web Server Authentication usage purpose is required in order to be compatible with some browsers.
<b>CertKeyUsageStr</b>	Yes	No	string	none	300 - Max Length	Displays the key usage for defining the purposes of the key contained in the certificate. Non Repudiation service purpose is disallowed in order to be compatible with some browsers.
<b>CertExtendedSubjectAltName</b>	No	No	string	none	256 - Max Length	Displays the alternative fully-qualified domain name.
<b>CertVerifyStatus</b>	Yes	No	string	none	32 - Max Length	Displays the status of the certificate validation and verification against the trusted CA.
<b>EncryptedPassword</b>	Yes	Yes	string	none	255 - Max Length	Specifies password to use for validation when allowing PKCS12 file import on the system.
<b>IsFromCCE</b>	Yes	No	Enum	0	Possible values: <ul style="list-style-type: none"> <li>• 0 - btFalse</li> <li>• 1 - btTrue</li> </ul>	Specifies whether this certificate is imported from CCE.