



# ETSI Production Properties

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## ETSI Production Properties

There are many properties that can be set to determine the behaviour of ESC. These properties enable integration of ESC with the NFVO in the system architecture.

You can access the properties file in the following location:

```
/opt/cisco/esc/esc_database/etsi-production.properties
```

The following table describes the parameters that can be used to control the behaviour of ESC acting as a VNFM within the ETSI NFV MANO stack.

**Table 1: ETSI Production Properties**

Property Name	Description	Type	Default Value
<code>server.host</code>	The host IP address on which the ETSI service is located. This is a mandatory property if the server has multiple IP addresses, or if the deployment is configured for High Availability (it should then be set to the VIP).	String	
<code>server.host.preferInet6</code>	Where there are multiple IP address types assigned to the server, use the IPv6 address over any IPv4 address.	Boolean	false

Property Name	Description	Type	Default Value
server.port	The port used to communicate over HTTP.	Integer	8250
server.port.https	The port used to communicate over HTTPS.	Integer	8251
certificate.validation	Determine whether to validate a host in any certificate presented when using HTTPS. Relaxes the validation of certificates, especially useful in testing.	Boolean	true
notification.maxThreads	The maximum number of threads utilised for the notification service.	Integer	3
notification.subscription.test	Upon creating a new subscription, determine whether to test	Boolean	true
notification.links.httpScheme	The HTTP scheme used for communicating with the NFVO for notifications. The valid values are http and https.	Enum	https
notification.retry.maxAttempt	The number of retries for the notification retry mechanism.	Integer	5
notification.retry.backOff.delay	The interval for the notification retry mechanism.	Integer	1000

Property Name	Description	Type	Default Value
security.userName	<b>Mandatory:</b> This is the REST API username. It is set by <code>sudo escadm etsi set --rest_user &lt;username&gt;:&lt;password&gt;</code> and should be synchronized here.	String	
nfvo.apiRoot	<b>Mandatory:</b> The apiRoot for the NFVO.	String	localhost:8280
nfvo.httpScheme	The HTTP scheme used for communicating with the NFVO. The valid values are http and https.	Enum	http
nfvo.isPackageNotificationSupported	Determine if the VNFM will attempt to subscribe to package notifications.	Boolean	true
nfvo.callback.httpScheme	The HTTP scheme used for communicating with the NFVO when polling for responses. The valid values are http and https.	Enum	https
nfvo.userName	The username for NFVO credentials.	String	
nfvo.password	The password for NFVO credentials, required in plain text.	String	
retryTemplate.exponential.retryPolicy.maxAttempt	The number of retries for the exponential retry mechanism.	Integer	1000
retryTemplate.exponential.backOffPolicy.interval.initial	The starting interval for the exponential retry mechanism.	Integer	1000

Property Name	Description	Type	Default Value
retry.simple.maxAttempt	The number of retries for the simple retry mechanism.	Integer	50
retry.simple.backOff.delay	The interval for the simple retry mechanism.	Integer	1000
nfvo.allPackagesFilter	The value to use to filter packages on the NFVO when querying for packages.	String	
mapping.vimConnectionInfo.accessInfo.username	Provide an alternate attribute name when specifying the username in accessInfo.	String	username
mapping.vimConnectionInfo.accessInfo.password	Provide an alternate attribute name when specifying the password in accessInfo.	String	password
mapping.vimConnectionInfo.accessInfo.project	Provide an alternate attribute name when specifying the project in accessInfo.	String	project
mapping.vimConnectionInfo.accessInfo.projectDomain	Provide an alternate attribute name when specifying the projectDomain in accessInfo.	String	projectDomain
mapping.vimConnectionInfo.accessInfo.userDomain	Provide an alternate attribute name when specifying the userDomain in accessInfo.	String	userDomain
mapping.vimConnectionInfo.accessInfo.vim_project	Provide an alternate attribute name when specifying the vim_project in accessInfo.	String	vim_project

Property Name	Description	Type	Default Value
mapping.vimConnectionInfo.accessInfo.vim_vdc	Provide an alternate attribute name when specifying the vim_vdc in accessInfo.	String	vim_vdc
nfvo.grantRequest.retry.maxAttempt	The number of retries for failed Grant Request attempts.	Integer	5
nfvo.grantRequest.retry.backOff.delay	The interval for the retries for failed Grant Request attempts.	Integer	1000
spring.jackson.date-format	A string to represent a date format to allow for varying NFVO implementations to read dates correctly.	String	yyyy-MM-dd 'THH:mm:ss. SSSXXX
nfvo.authenticationType	Setting the authentication type of the NFVO that is being used. Required property. Valid options are "BASIC", "OAUTH2", "OFF". All other Strings will be treated the same as "OFF". Use this to enable Basic and O A u t h 2 authentication.	String	
nfvo.clientID	For NFVO OAuth2 Authentication. Client ID.	String	
nfvo.clientSecret	For NFVO OAuth2 Authentication. Client Secret.	String	
nfvo.tokenEndpoint	For NFVO OAuth2 Authentication. The endpoint for ETSI to retrieve a OAuth2 token from the NFVO.	String	

Property Name	Description	Type	Default Value
rate.limit.capacity.read	Set the bucket capacity for read (GET) requests to the ETSI REST API.  By default this is disabled.	Integer	
rate.limit.perSecond.read	Sets the rate (per second) at which the bucket empties for the read (GET) requests to the ETSI REST API.  By default this is disabled.	Double	
rate.limit.capacity.write	Set the bucket capacity for write (POST, PUT, PATCH, DELETE) requests to the ETSI REST API.  By default this is disabled.	Integer	
rate.limit.perSecond.write	Sets the rate (per second) at which the bucket empties for the write (POST, PUT, PATCH, DELETE) requests to the ETSI REST API.  By default this is disabled.	Double	
log.multiple.query	The flag to enable logging response for query multiple VNF instances and response for query multiple VNF lifecycle management operation occurrences.	Boolean	false

Property Name	Description	Type	Default Value
scheduled.cleanup[vnfLcmOpOcc].interval.value	<p>Set the interval value for the VnfLcmOpOcc cleanup task.</p> <p>The combination of interval.value and interval.unit will determine the frequency that the cleanup task is executed.</p>	Integer	1
scheduled.cleanup[vnfLcmOpOcc].interval.unit	<p>Set the interval unit for the VnfLcmOpOcc cleanup task.</p> <p>The combination of interval.value and interval.unit will determine the frequency that the cleanup task is executed.</p> <p>Valid values:            NANOS,       MICROS,            MILLIS,     SECONDS,            MINUTES,    HOURS,            HALF_DAYS, DAYS</p>		DAYS
scheduled.cleanup[vnfLcmOpOcc].age.value	<p>Set the age value for the VnfLcmOpOcc cleanup task.</p> <p>The combination of age.value and age.unit will determine the age of orphan records to be deleted.</p>	Integer	60

Property Name	Description	Type	Default Value
scheduled.cleanup[vnfLcmOpOcc].age.unit	<p>Set the age unit for the V n f L c m O p O c c cleanup task.</p> <p>The combination of age.value and age.unit will determine the age of orphan records to be deleted.</p> <p>Valid values:</p> <p>NANOS,          MICROS, MILLIS,        SECONDS, MINUTES,       HOURS, HALF_DAYS,    DAYS</p>		DAYS
paging.size	<p>Setting a value &gt; 0 turns on paging for query endpoints.</p> <p>This value represents the number of results to be included per page.</p> <p>If a response is paged and there are further pages then the response will include a header named "Link" with rel="next" for example:</p> <pre>&lt;http://example.com /resources?nextpage_ opaque_marker=abc123&gt; rel="next"</pre> <p>The link url will retrieve the next page.</p> <p>If there are no further pages to be retrieved then the Link header will be omitted.</p>	Integer	0



Property Name	Description	Type	Default Value
attribute.selector.default.all_fields	Setting the value to true will change the behaviour of ETSI query endpoints to return the full set of attributes if an attribute selector is not provided (all_fields).	Boolean	false
monitorMigration.terminalStateOnError	Defines whether the lifecycle operation will move to terminal state automatically on error during monitoring migration.	Boolean	false
sync.supported	Allows the operations ENABLE/DISABLE MONITOR to be performed synchronously. Note: This is only supported in a non cloud native environment.	Boolean	false
subscription.notifications.infra. filter.operationTypes	Part of the properties used to register the infrastructure notifications. Defines the operation types filter.  <b>Note</b> If these properties are set, then infrastructure notifications will not be sent to the other subscriptions.	MONITORING_ MIGRATION MONITORING_ OPERATION	

Property Name	Description	Type	Default Value
<p>subscription.notifications.infra. filter.operationStates</p>	<p>Part of the properties used to register the infrastructure notifications.</p> <p>Defines the operation states filter.</p> <p><b>Note</b> If these properties are set, then infrastructure notifications will not be sent to the other subscriptions.</p>	<p>STARTING PROCESSING COMPLETED FAILED_TEMP FAILED ROLLING_BACK ROLLED_BACK</p>	
<p>subscription.notifications.infra. callbackUri</p>	<p>Part of the properties used to register the infrastructure notifications.</p> <p>Defines the callback URI to send the notifications. This is the full URI including the scheme, host and port.</p> <p><b>Note</b> If these properties are set, then infrastructure notifications will not be sent to the other subscriptions.</p>	<p>String</p>	

Property Name	Description	Type	Default Value
subscription.notifications.infra. authentication.authType	<p>Part of the properties used to register the infrastructure notifications.</p> <p>Defines the authentication type for the notification.</p> <p><b>Note</b> If these properties are set, then infrastructure notifications will not be sent to the other subscriptions.</p>	BASIC OAUTH2_CLIENT_CREDENTIALS	
subscription.notifications.infra. authentication.paramsBasic.userName	<p>Part of the properties used to register the infrastructure notifications.</p> <p>Defines the BASIC authType username.</p> <p><b>Note</b> If these properties are set, then infrastructure notifications will not be sent to the other subscriptions.</p>	String	

Property Name	Description	Type	Default Value
subscription.notifications.infra. authentication.paramsBasic.password	<p>Part of the properties used to register the infrastructure notifications.</p> <p>Defines the BASIC authType password.</p> <p><b>Note</b> If these properties are set, then infrastructure notifications will not be sent to the other subscriptions.</p>	String	
subscription.notifications.infra. authentication.paramsOauth2ClientCredentials. clientId	<p>Part of the properties used to register the infrastructure notifications.</p> <p>Defines the <code>QAUTH2_CLIENT_CREDENTIALS</code> authType client id.</p> <p><b>Note</b> If these properties are set, then infrastructure notifications will not be sent to the other subscriptions.</p>	String	

Property Name	Description	Type	Default Value
subscription.notifications.infra.authentication.paramsOauth2ClientCredentials.clientPassword	<p>Part of the properties used to register the infrastructure notifications.</p> <p>Defines the OAUTH2_CLIENT_CREDENTIALS authType client password.</p> <p><b>Note</b> If these properties are set, then infrastructure notifications will not be sent to the other subscriptions.</p>	String	
subscription.notifications.infra.authentication.paramsOauth2ClientCredentials.tokenEndpoint	<p>Part of the properties used to register the infrastructure notifications.</p> <p>Defines the OAUTH2_CLIENT_CREDENTIALS authType token endpoint. This is the full URI including the scheme, host and port.</p> <p><b>Note</b> If these properties are set, then infrastructure notifications will not be sent to the other subscriptions.</p>	String	

For information on resource definitions, see [Resource Definitions for ETSI API](#).

