



EngageOne Compose configuration Checklist

The EngageOne Compose configuration requires integration with several external components (database, LDAP server, load balancer, etc.). The following checklist is intended to guide you through collecting those configurations upfront and mapping them to the properties in the install-time configuration file. Only a brief description is included in this file, for full details please see the <release-distribution>\install\deploy.properties file, and the EngageOne Installation Guide. Descriptions are included in this file, for full details please see the <release-distribution>\install\deploy.properties file, and the EngageOne Installation Guide.

Password encryption note

All non-encrypted passwords provided in the configuration file will be automatically encrypted by installation/configuration scripts. You have option to use the encryptPassword.groovy script provided in the install folder in order to manually encrypt passwords before you run one of the installation/configuration scripts.

EngageOne Compose 4.4

Database configuration

Property	Examples	Description	Environment Value
db.type	db.type=mssql db.type=oracle	Database server type.	
db.host	db.host=myOracleDbServer db.host=mySqlServer\myInstance	Name of the SQL or Oracle database server.	
db.port	db.port=1433 db.port=1521	Port on which to connect to the database server.	
eo.db.name	eo.db.name=eo	EngageOne database	
eo.db.username	eo.db.username=sa	EngageOne database user	
eo.db.password	eo.db.password=<encrypted password>	EngageOne database user password (<i>in encrypted form</i>)	
flowable.db.name	flowable.db.name=activiti	flowable database	
flowable.db.username	flowable.db.username=sa	flowable database user	
flowable.db.password	flowable.db.password=<encrypted password>	Activiti database user password (<i>in encrypted form</i>)	

Active Drive configuration

Property	Examples	Description	Environment Value
active.drive.dir	active.drive.dir=\\myfileserver\myshare\EngageOneActiveDrive	'Active drive' data store location	

LDAP configuration

Property	Examples	Description	Environment Value
ldap.url	ldap.url = ldap://52.11.11.11:389	URL of LDAP server	
ldap.username	ldap.username=CN=Administrator,CN=Users,DC=eo,DC=remote	Directory user DN	
ldap.password	ldap.password=<encrypted password>	Directory user password (<i>in encrypted form</i>)	
ldap.userFilter	ldap.userFilter=(&(objectCategory=Person))	Directory user filter	
ldap.groupFilter	ldap.groupFilter=(&(objectCategory=Group))	Directory group filter	
ldap.displayName.attribute	ldap.displayName.attribute=cn	Directory name attribute	
ldap.username.attribute	ldap.username.attribute=sAMAccountName	Directory account name attribute	
ldap.member.attribute	ldap.member.attribute=member	Directory group member attribute	
ldap.email.attribute	ldap.email.attribute=mail	Directory e-mail address attribute	
ldap.base.dn	ldap.base.dn=cn=users,DC=eo,DC=remote	Directory search base DN	
ldap.tls.enabled	ldap.tls.enabled=true	Enable ldaps communication	
ldap.tls.key.alias	ldap.tls.key.alias=my_alias	If you have more than one certificate in your key store, you must provide the alias (also known as 'friendly name') for the certificate that you wish to load.	

Install configuration			
Property	Examples	Description	Environment Value
java.home	java.home=C:\\Program Files\\Java\\jre7 java.home=/usr/lib/jvm/jre	Java Runtime Environment home directory.	
core.install.dir	core.install.dir=C:\\Program Files\\EngageOne\\Server\\core core.install.dir=/opt/engageone/server/core	Core bundle installation folder	
batch.install.dir	batch.install.dir=C:\\Program Files\\EngageOne\\Server\\batch batch.install.dir=/opt/engageone/server/batch	Batch bundle installation folder	
conversion.install.dir	conversion.install.dir=C:\\Program Files\\EngageOne\\Server\\conversion conversion.install.dir=/opt/engageone/server/conversion	Conversion bundle installation folder	
security.install.dir	security.install.dir=C:\\Program Files\\EngageOne\\Server\\security security.install.dir=/opt/engageone/server/security	Security bundle installation folder	
composition.install.dir	composition.install.dir=C:\\Program Files\\EngageOne\\Server\\composition composition.install.dir=/opt/engageone/server/composition	Composition bundle installation folder	
notification.install.dir	notification.install.dir=C:\\Program Files\\EngageOne\\Server\\notification notification.install.dir=/opt/engageone/server/notification	Notification bundle installation folder	
core.jvm.settings	core.jvm.settings=-Xms1024m -Xmx4g -XX:MaxPermSize=512M	Core bundle Java Virtual Machine settings	
conversion.jvm.settings	conversion.jvm.settings=-Xms1024m -Xmx2g -XX:MaxPermSize=512M	Conversion bundle Java Virtual Machine settings	
security.jvm.settings	security.jvm.settings=-Xms1024m -Xmx2g -XX:MaxPermSize=256m -XX:PermSize=256m -XX:+UseConcMar	Security.Jvm bundle startup settings	
batch.jvm.settings	batch.jvm.settings=-Xms1024m -Xmx4g -XX:MaxPermSize=512M	Batch bundle Java Virtual Machine settings	
composition.jvm.settings	composition.jvm.settings=-Xms1024m -Xmx2g -XX:MaxPermSize=512M	Composition bundle Java Virtual Machine settings	
notification.jvm.settings	notification.jvm.settings=-Xms1g -Xmx2g -XX:MaxPermSize=512m	Notification bundle Java Virtual Machine settings	
core.port	core.port=8080	Core bundle startup port	
conversion.port	conversion.port=8081	Conversion bundle startup port	
security.port	security.port=8082	Security bundle startup port	
composition.port	composition.port=8083	Composition bundle startup port	
notification.port	notification.port=8084	Notification bundle startup port	
Service Communication configuration			
Property	Examples	Description	Environment Value
system.user.username	system.user.username=systemUser	System user for inter-service communications	
system.user.password	system.user.password=<encrypted password>	System user password for inter-service communications (<i>in encrypted form</i>)	
system.user.group	system.user.group=System Administrators	LDAP group to which system user for inter-service communication belongs.	
core.services.url	core.services.url=http://core-loadbalancer.pbeo.net:8080	Core bundle root URL	
conversion.services.url	conversion.services.url=https://conversion-loadbalancer.pbeo.net:8081	Conversion bundle root URL	
security.services.url	security.services.url=https://security-loadbalancer.pbeo.net:8082	Security bundle root URL	
composition.services.url	composition.services.url=https://composition-loadbalancer.pbeo.net:8083	Composition bundle root URL	
notification.services.url	notification.services.url=https://notification-node.pbeo.net:8084	Notification bundle root URL Note: this is a single node, not a load balancer.	

Security configuration

Property	Examples	Description	Environment Value
security.trusted.connection.api.key (optional)	security.trusted.connection.api.key=<encrypted password>	<p>The api key is a user-defined string and is used as secret token. When the api key is provided in non-encrypted form it will be automatically encrypted by the installation/ configuration scripts.</p> <p>Enter an api key along with: security.trusted.connection.user and security.trusted.connection.password in order to enable trusted connection option for SOAP API.</p> <p>Using this functionality changes security model for SOAP API in your environment, so it is recommended to use it only in locked down systems.</p> <p>The api key must be provided in the SOAP service Security service in the method trustedConnectionLogin() under the field <com:password></p>	
security.trusted.connection.user (optional)	security.trusted.connection.user=trustedConnectionUser	<p>Trusted connection user. Enter a username for trusted connection. The user provided must exist in LDAP.</p> <p>This user is used to check if the user specified in the payload SOAP service Security service in method trustedConnectionLogin() exist in LDAP.</p> <p>This user, similar to system.user.username user must be in the system.user.group to have privileges to access the OpenAM Realm.</p>	
security.trusted.connection.password (optional)	security.trusted.connection.password=<encrypted password>	Trusted connection password. Enter a username for trusted connection. The password provided must be an LDAP password.	
security.cookie.domains	security.cookie.domains=eo.local security.cookie.domains=eo.local,my.domain,my.domain2	Trusted DNS domains	
security.admin.password	security.admin.password=<encrypted password>	OpenAM administrator password -at least 8 characters (in encrypted form)	
security.agent.profile.password	security.agent.profile.password=<encrypted password>		
security.max.idle.time	security.max.idle.time=30	Maximum number of minutes that a session can be idle before a user must re-authenticate.	
security.max.session.time	security.max.session.time=480	Maximum number of minutes that a session can remain active before a user is required to re-authenticate.	
security.max.sessions.number (optional)	security.max.sessions.number=10000	Maximum sessions number (default is 5000). The value represents concurrent allowable sessions.	
security.account.lockout.options (optional)	security.account.lockout.options=true;10;5;10;5;2	Options used to set the Account Lockout Policy. Default values are: false;10;5;3;3;2. For further details refer to the EngageOne Server Installation Guide - Account Lockout Policy Configuration.	
security.soap.transient.session.default (optional)	security.soap.transient.session.default=ACTIVE_WHEN_NOT_SPECIFIED	Options used to set the default behavior when a SOAP request does not specify transientSession property	

Microsoft / Kerberos Single Sign-On (optional)			
security.sso.kerberos.principal.name	security.sso.kerberos.principal.name=HTTP/openam-server.eo.local@EO.LOCAL	Kerberos principal name	
security.sso.kerberos.keytab.path	security.sso.kerberos.keytab.path=/etc/kereberos/krb.keytab security.sso.kerberos.keytab.path=C:\\kerberos\\krb.keytab	Kerberos keytab file path	
security.sso.kerberos.server	security.sso.kerberos.server=KDC-DOMAINCONTROLLER.EO.LOCAL	Name for Kerberos Key Distribution Center server.	
ssecurity.valid.goto.resources	http://*.pbeo.net:*/*,http://*.eo.local:*/*	Comma separated valid URL(s). Used for OpenAm redirects.	

Designer Services configuration

Property	Examples	Description	Environment Value
designer.services.url	designer.services.url=http://designer-services.pbeo.net:8080	Designer Services URL	

Optional settings

SMTP configuration

Property	Examples	Description	Environment Value
smtp.security.mode	smtp.security.mode=NONE	Smtp security mode. Allowed values: NONE, STARTTLS, SSLTLS	
smtp.server	smtp.server=smtp-example.com	Host name or IP address of the SMTP server	
smtp.port	smtp.port=25	Port number of the SMTP server (default is 25).	
smtp.username	smtp.username=user@smtp-example.com	User name of the account that connects to the SMTP server.	
smtp.password	smtp.password=<encrypted password>	Password of the account that connects to the SMTP server (<i>in encrypted form</i>)	

OS Service User(optional)

Property	Examples	Description	Environment Value
os.service.username	os.service.username=engageOneServiceUser	User name of the account used to run EngageOne bundle services.	
os.service.password	os.service.password=<encrypted password>	Password of the account use to run EngageOne bundle services (<i>in encrypted form</i>)	

HTTPS Enablement (optional)

Property	Examples	Description	Environment Value
tls.version	tls.version=TLSv1.2 tls.version=TLSv1,TLSv1.1,TLSv1.2	Default TLS protocol. If ssl enabled. Values can be TLSv1, TLSv1.1, TLSv1.2	
core.https.enabled	core.https.enabled=true	Core HTTPS configuration	
core.tls.key.alias	core.tls.key.alias=engageone-core		
conversion.https.enabled	conversion.https.enabled=true	Conversion HTTPS configuration	
conversion.tls.key.alias	conversion.tls.key.alias=		
security.https.enabled	security.https.enabled=true	Security HTTPS configuration	
security.tls.key.alias	security.tls.key.alias=		
composition.https.enabled	composition.https.enabled=true	Composition HTTPS configuration	
composition.tls.key.alias	composition.tls.key.alias=		
notification.https.enabled	notification.https.enabled=true	Notification HTTPS configuration	
notification.tls.key.alias	notification.tls.key.alias=		
designer.tls.key.alias=	designer.tls.key.alias=	Designer HTTPS configuration	
tls.cipher.suite=	tls.cipher.suite=TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256,TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256,TLS_DHE_RSA_WITH_AES_128_GCM_SHA256	Cipher suite used during handshaking on an SSL connection. This setting refers to HTTPS connection. Comma separated cipher names using JSSE cipher naming convention. The order in which ciphers are defined as an order of preference depends on tls.cipher.suite.useServerCipherSuitesOrder property.	
tls.cipher.suite.useServerCipherSuitesOrder=	tls.cipher.suite.useServerCipherSuitesOrder=true	Use server cipher suites order. This setting refers to HTTPS connection. Set to true to enforce the tls.cipher.suite cipher order - first entry is the most preferable. Set to false to choose the first acceptable cipher suite presented by the client. Default is false.	

JDBC TLS enablement (optional)			
Property	Example	Description	Environment Value
jdbc.tls.enabled	jdbc.tls.enabled=true	Database TLS configuration	
jdbc.tls.certificate.subject.dn	jdbc.tls.certificate.subject.dn=CN=myOracleDbServer,OU=EOS,ST=Connecticut,C=US	Server certificate subject DN	
SSL/TLS Certificate configuration (optional)			
Property	Example	Description	Environment Value
tls.trust.store.location	tls.trust.store.location=\\\\active-drive\\config\\cacerts\\cacerts.pfx	PKCS#12 archive file path and password for client side connections	
tls.trust.store.password	tls.trust.store.password=<encrypted password>		
tls.key.store.location	tls.key.store.location=\\\\active-drive\\config\\cacerts\\cacerts.pfx	PKCS#12 archive file path and password when enabling HTTPS on the application server connections.	
tls.key.store.password	tls.key.store.password=<encrypted password>		
General System Tuning (optional)			
Property	Examples	Description	Environment Value
logging.default.level	logging.default.level=WARN	Logging configuration	
logging.stdout.enabled	logging.stdout.enabled=false		
initial.sysadmin.username	initial.sysadmin.username=systemUser	Username of the initial system administrator	
conversion.threads.max	conversion.threads.max=1000	Attachment conversion max threads	
ldap.syncIntervalInSeconds	ldap.solr.syncIntervalInSeconds=7200	LDAP and database cache sync interval	
dca.pool.size.minimum	dca.pool.size.minimum=1	Document generation process pool size	
dca.pool.size.maximum	dca.pool.size.maximum=5		
doc.generation.timeout	doc.generation.timeout=120	Document generation timeout	
Clustering configuration (optional)			
Property	Examples	Description	Environment Value
primary.security.url	primary.security.url=http://security-primary.pbeo.net:8080	Primary core and security URLs	
primary.core.url	primary.core.url=http://core-primary.pbeo.net:8080		
replica.<replicaName>.security.url	replica.replicaNode1.url=http://security-replical.pbeo.net:8080 replica.replicaNode2.url=http://security-replica2.pbeo.net:8080	Replica security URLs	
security.encrypted.key	security.encrypted.key=<encrypted password>	OpenAM password encryption key	
External Delivery Systems configuration (optional)			
Property	Examples	Description	Environment Value
vault.host	vault.host=Vault.local.net vault.host=127.0.0.1	Vault configuration	
vault.port	vault.port=6003		
eodeliver.services.url	eodeliver.services.url=http://localhost:8080/EODeliver	EngageOne Deliver configuration. Note: EngageOne will append "resource/v1/outboundprofiles" to the configured URL on deployment.	
eodeliver.vendor.identifier	eodeliver.vendor.identifier=EngageOne		
eodeliver.share.dir	eodeliver.share.dir=\\\\localhost\\vendors		
video.services.url	http://video-services.example.com:8080 https://video-services.example.com:8080	URL of EngageOne Video server.	
video.services.username	videoUser	User account required to connect to EngageOne Video integration services.	
video.services.password	Rkp1WP0eOmh46CO2iJLyW+Lq/nZqpGCdhVkgxkNUu/i8d02tAE1inUg=	Password for the account. Required to connect to EngageOne Video integration services (in encrypted form). This value must be encrypted.	
eo.deliver.admin.url	eo.deliver.admin.url=http://localhost:8080/EODeliver	When the URL is provided a button is presented on the EngageOne Administration page allowing you to navigate directly to EngageOne Deliver dashboard.	

EngageOne Asset Promotion (optional)

Property	Examples	Description	Environment Value
asset.promotion.replica.node.names	asset.promotion.replica.node.names=replicaNode1 asset.promotion.replica.node.names=replicaNode1,replicaNode2	Define the names of core replicas to include Core bundles as part of the promotion service cluster. For performance, only two replica names are allowed. The primary node is always active. The maximum number of core nodes that are part of the promotion service cluster is 3. When executing the bundle configuration script on the replica node, the value of the '-r' parameter must match the values in these properties. Note: Nodes that are part of an Asset Promotion cluster should be synchronized using a time synchronization service. The system clocks on these nodes must be set to within a second of each other. If only the primary Core node is used in Asset Promotion, clock synchronization is not required.	
asset.promotion.import.window.default=MON,TUE,WED,THU,FRI,SAT,SUN;00:00;1440	asset.promotion.import.window.myCustomWindowForWeekMon=MON;00:00;1440 asset.promotion.import.window.myCustomWindowForWeekendsSatAndSun=SAT,SUN;00:00;1440	For more information, see "Import window configuration examples" below.	

Comparison Services Configuration (optional)

Property	Examples	Description	Environment Value
comparison.adapter.class=	comparison.adapter.class=com.pb.viewpoint.comparison.adapters.simple.SimpleComparisonEngineAdapter comparison.adapter.class=com.pb.viewpoint.comparison.adapters.impl.CommandLineComparisonEngineAdapter comparison.adapter.class=com.pb.viewpoint.comparison.adapters.docbridgedelta.DocbridgeDeltaAdapter	The Comparison Adapter plugin. Specify the class name of the comparison adapter implementation to use for communication with an external custom comparison service/tool. Possible choices: 1. Write your own implementation of com.pb.viewpoint.comparison.adapters.ComparisonEngineAdapter java interface. 2. You can use already existing plugin implementations: For more information see "Installation Guide" - Comparison adapter plugin.	

System Data Integration configuration (optional)

Property	Examples	Description	Environment Value
sdi.sysdata.path	sdi.sysdata.path=C:\\Program Files\\EngageOne\\Server\\core\\conf\\sdi\\sysdata.xml	SDI configuration (see deploy.properties)	
sdi.callback.jar.path	sdi.callback.jar.path=C:\\Program Files\\EngageOne\\Server\\core\\conf\\sdi\\custom-sdi.jar		
sdi.callback.class.name	sdi.callback.class.name=CustomSystemDataIntegrationImpl		

Custom Fax Delivery Channel configuration (optional)

Property	Examples	Description	Environment Value
fax.factory.classpath.dir	fax.factory.classpath.dir=C:\\Program Files\\EngageOne\\Server\\composition\\conf\\fax	Fax channel configuration	
fax.factory.classpath	fax.factory.classpath=fax-sample.jar		
fax.factory.class.name	fax.factory.class.name=com.pb.engageone.sample.fax.FaxFactoryImpl		

HTTP Connector configuration (optional)			
Property	Examples	Description	Environment Value
http.header.size	http.header.size=8192	Modify the default value of the http header size allowed by tomcat. Equivalent to setting the server.xml in a standalone tomcat distribution. If not changed, default value is 8192(8KB)	
EngageOne Video Services configuration (optional)			
Property	Examples	Description	Environment Value
video.services.url=	video.services.url=https://video-services.pbeo.net:8080	EngageOne Video Service URL, to retrieve and store video data.	
video.services.username=	video.services.username=videoUser	User name for Video Service communications.	
video.services.password=	video.services.password=a3roG8KRsyLQnigM3Q2nfIEgwPUTZzlxJslZol7AL3frRcgoaF3cdQ==	Encrypted password for Video Service communications.	
EngageOne Video Tenant ID (optional)			
Property	Examples	Description	Environment Value
video.services.tenant.id=	video.services.tenant.id=123	If value is not set, the default community will be used as the tenant ID.	
Notification Services configuration (optional)			
Property	Examples	Description	Environment Value
notification.publisher.enabled	notification.publisher.enabled=true	Enable the Notifications feature (disabled by default)	
notification.publisher.username	notification.publisher.username=publisherName	Username for publishing to queues or topics. Note: this is not an LDAP account.	
notification.publisher.password	notification.publisher.password=<encrypted password>	Encrypted password for the publisher username.	
notification.subscriber.username	notification.subscriber.username=subscriberName	Username used for subscribing to queues or topics. Note: this is not an LDAP account.	
notification.subscriber.password	notification.subscriber.password=<encrypted password>	Encrypted password for the subscriber username.	
notification.jms.broker.url	notification.jms.broker.url=tcp://my-jms-broker:61617?jms.useAsyncSend=true	External JMS message broker to use instead of built-in ActiveMQ instance in Notification bundle.	
notification.message.timeToLive	notification.message.timeToLive=3600000	Time in milliseconds that a message will be persisted in a queue. Default is zero - no expiry.	
notification.type.communication.omitted.actions	notification.type.communication.omitted.actions=StatusChanged, Deleted	Comma-separated list of Communication actions for which a notification is not required.	
notification.type.abatch.omitted.actions	notification.type.abatch.omitted.actions=Started	Comma-separated list of Accumulated Batch actions for which a notification is not required.	
notification.type.nabatch.omitted.actions	notification.type.nabatch.omitted.actions=Started, Completed	Comma-separated list of Non Accumulated Batch actions for which a notification is not required.	
notification.type.workflowtask.omitted.actions	notification.type.workflowtask.omitted.actions=Created	Comma separated list of Workflow Task actions for which a notification is not required.	
notification.message.destination.type	notification.message.destination.type=queue	Type of destination to which messages are published (queue or topic). Default is topic.	
notification.message.destination.baseName	notification.message.destination.baseName=	Topic or queue names are formed from this baseName plus the notification type. Default is "VirtualTopic.", producing topic names such as "VirtualTopic.Communication".	
notification.connectionFactory.class	notification.connectionFactory.class=com.example.jmsprovider.PooledConnectionFactory	Name of JMS connection factory class used for accessing the JMS implementation. The default is a pooled connection factory for ActiveMQ. The specified class must be available on the Java class path.	

Interactive Editor settings			
Property	Examples	Description	Environment Value
interactive.editor.type	interactive.editor.type=Interactive Editor interactive.editor.type=ActiveX interactive.editor.type=Mixed interactive.editor.type=None	During installation, configuration of client behavior (system settings) is controlled by a setting named interactive.editor.type which controls what kind of editor is used. Important note: Previously (versions below 4.4.8) activex.enabled setting was used instead, it's obsolete and cannot be used any more. Possible values: <ul style="list-style-type: none"> • Interactive Editor - use Interactive Editor installed in Windows • ActiveX - use ActiveX Editor if it's possible (Internet Explorer) otherwise use cross browser editor • Mixed - use Interactive Editor and optionally ActiveX Editor if it's possible (Internet Explorer) • None - use only cross browser editor 	
interactive.editor.socket.address	interactive.editor.socket.address=wss://localhost.pbco.net:8080/relay-service/cie	This property determines the address the web socket in the browser is bound to. This property is required and used only for Interactive Editor and Mixed types.	
interactive.editor.title	interactive.editor.title=EngageOne Compose interactive editor interactive.editor.title.fr=Application de l'éditeur interactif	This property sets Interactive Editor title. It can be localised by using sub-settings with language code appended to the property name. This property is required and used only for the Interactive Editor and Mixed types. This title will be visible in the Interactive Editor only if it is configured accordingly in ApplicationStyle.xaml configuration file. The detailed explanation can be found in the Installation Guide in chapter Installing the EngageOne Compose Interactive Editor.	
interactive.editor.version	interactive.editor.version=6.6.8	This property sets the required version of the Interactive Editor. This property is required and used only for the Interactive Editor and Mixed types.	
interactive.editor.connection.timeout	interactive.editor.connection.timeout=5	This property specifies the amount of time (in seconds) the web page will wait for the web socket service response. This property is required and used only for Interactive Editor and Mixed types.	
interactive.editor.response.timeout	interactive.editor.response.timeout=10	This property specifies the amount of time (in seconds) the web page will wait for the response from Interactive Editor. This property is required and used only for Interactive Editor and Mixed types.	
interactive.editor.cookie.names	interactive.editor.cookie.names=cookie1,cookie2	This property specifies the comma-separated list of names of additional cookies which are used by Interactive Editor to access resources from EngageOne server. This property is used only for Interactive Editor and Mixed types and it is optional.	

<code>interactive.editor.show.download.link</code>	<code>interactive.editor.show.download.link=false</code>	This property specifies whether the user will be able to download Interactive Editor setup program directly from the webpage. Enable it if the user has proper privileges in order to install applications. This property is required and used only for Interactive Editor and Mixed types.	
<code>interactive.editor.pulse</code>	<code>interactive.editor.pulse=15</code>	This parameter sets the interval (in seconds) after which a connection sustain signal is sent to the Relay-Service by the Interactive Editor Application. Use this parameter when the connection between the Interactive Editor Application and Relay-Service is broken; the loss of connection can happen after an extended period of inactivity in the Editor application. This property is required and used only for Interactive Editor.	
EngageOne Relay Service (optional)			
Property	Examples	Description	Environment Value
<code>relay.service.client.enabled</code>	<code>relay.service.client.enabled=false</code>	Enable/disable deployment of relay-service-client to core bundle. Default is false. After being enabled relay-service-client is accessible under "core.services.url"/relay-service-client e.g. http://core-loadbalancer.pbeo.net:8080/relay-service-client	
<code>relay.service.message.binary.buffer.size</code>	<code>relay.service.message.binary.buffer.size=2000</code>	Binary buffer size of relay-service message in bytes. This property sets size of message that is sent between EO Interactive and IEA via Relay Service. Default value is 8192bytes.	
EngageOne maintenance settings (optional)			
<code>upgrade.tomcat.minor.version</code>	<code>upgrade.tomcat.minor.version=30</code>	These settings are used by eos.groovy script 'upgradeWebContainer' target in order to download and install tomcat security patch. Required version is downloaded from public repository using tomcat major and minor version. Tomcat major version is hardcoded to 8.5, tomcat minor version default '+' value means the latest version and can be replaced by exact desired version.	
<code>upgrade.tomcat.local.source.path</code>	<code>upgrade.tomcat.local.source.path=c:\\tomcatPatches\\v8.5.30</code>	Alternative tomcat patch localization. Enabling this setting allows to download tomcat to local folder using 'downloadWebContainer' target and install from that folder using 'upgradeWebContainer'.	
Cloud integration settings (optional)			
<code>cloud.api.url</code>	<code>cloud.api.url=https://api.us-east-1.engageone.co</code>	This setting allows you to integrate your EngageOne Server with the specified cloud account.	
<code>cloud.api.authenticate.url</code>	<code>cloud.api.authenticate.url=https://api.us-east-1.engageone.co</code>	This setting caters for AWS's global authentication model, and must always be set to: https://api.us-east-1.engageone.co	
<code>cloud.api.ignore.missing.fields.when.render</code>	<code>cloud.api.ignore.missing.fields.when.render=true</code>	This setting allows you to specify whether missing fields are to be ignored when rendering HTML in the cloud. Note that the default is true .	