# ICRT Cloud Org Configuration

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# Environments

Informatica CLoud Org Login URL

|  |  |
| --- | --- |
| Login | URL |
| Common | https://app.informaticaondemand.com/ma/login |
| Development (SSO) | Document the SSO URL if applicable |
| QA (SSO) |  |
| Prod (SSO) |  |

## DEV

### DEV Agents

|  |  |
| --- | --- |
| Environment Name | Host Name |
| Informatica Cloud Hosted Agent |  |
| NA |  |
| -- na\_agent\_01 |  |
| EMEA |  |
| -- emea\_agent\_01 |  |
|  |  |

|  |  |
| --- | --- |
| Parameter | Value |
| Console URL | https://ps1w2-ics.rt.informaticacloud.com/activevos/[ORGID] |
| SOAP services URL | https://ps1w2-ics.rt.informaticacloud.com/active-bpel/services/[ORGID] |
| REST services URL | https://ps1w2-ics.rt.informaticacloud.com/active-bpel/services/REST/[ORGID] |

## QA

|  |  |
| --- | --- |
| Parameter | Value |
| Console URL | https://ps1w2-ics.rt.informaticacloud.com/activevos/[ORGID] |
| SOAP services URL | https://ps1w2-ics.rt.informaticacloud.com/active-bpel/services/[ORGID] |
| REST services URL | https://ps1w2-ics.rt.informaticacloud.com/active-bpel/services/REST/[ORGID] |

### QA Agents

Example QA Orgs Layout

|  |  |
| --- | --- |
| Environment Name | Host Name |
| Informatica Cloud Hosted Agent |  |
| NA (2) |  |
| -- na\_agent\_01 |  |
| -- na\_agent\_02 |  |
| EU (2) |  |
| -- eu\_agent\_01 |  |
| -- eu\_agent\_02 |  |

## PROD

|  |  |
| --- | --- |
| Parameter | Value |
| Console URL | https://ps1w2-ics.rt.informaticacloud.com/activevos/[ORGID] |
| SOAP services URL | https://ps1w2-ics.rt.informaticacloud.com/active-bpel/services/[ORGID] |
| REST services URL | https://ps1w2-ics.rt.informaticacloud.com/active-bpel/services/REST/[ORGID] |

### Prod Agents

Example PROD orgs layout

|  |  |
| --- | --- |
| Environment Name | Host Name |
| Informatica Cloud Hosted Agent |  |
| NA (2) |  |
| -- na\_agent\_01 |  |
| -- na\_agent\_02 |  |
| NA\_DR (2) |  |
| -- na\_agent\_dr\_01 |  |
| -- na\_agent\_dr\_02 |  |
| EMEA (2) |  |
| -- eu\_agent\_01 |  |
| -- eu\_agent\_01 |  |
| EMEA\_DR (2) |  |
| eu\_agent\_dr\_01 |  |
| eu\_agent\_dr\_02 |  |

# Directories

|  |  |
| --- | --- |
| Directory | Description |
| Agent installation location | /opt/informatica/infaagent |
| Root for staging Data | /nfs/ipaas/data |

Modified added custom files: that needs to be synchronized to Recovery Sites

# Extension Files and External Libraries

Document extensions and external libraries deplyed to your agents

## Extensions DEV

/opt/informatica/infaagent/apps/process-engine/ext  
├── libsapjco3.so  
├── ojdbc6\_g.jar  
└── sapjco3.jar  
  
/opt/informatica/infaagent/apps/Data\_Integration\_Server/ext  
└── deploy\_to\_main  
 └── bin  
 ├── rdtm  
 │   ├── libicudata.so.34  
 │   ├── libicudecnumber.so  
 │   ├── libicui18n.so.34  
 │   ├── libicuuc.so.34  
 │   ├── libsapnwrfc.so  
 │   ├── libsapucum.so  
 │   └── sapnwrfc.ini  
 └── rdtm-extra  
 └── tpl  
 └── sap  
 ├── libsapjco3.so  
 └── sapjco3.jar

### Synchronize Agent Config and external libraries to another server

Following are examples how to move SAP and other connector external dependencies and configuration to another server or download those to your machine

# FROM QA and PROD Instances  
# CD to Agent home directory on source system  
cd /opt/informatica/infaagent  
rsync -avzP --relative apps/process-engine/ext ipaas@target\_system:/opt/informatica/infaagent  
rsync -avzP --relative apps/Data\_Integration\_Server/ext ipaas@target\_system:/opt/informatica/infaagent  
  
## download the files to local machine from server to current directory (full relative path to files will be preserved)  
rsync -avzP --relative ipaas@mdzusvpclinf001:/opt/informatica/infaagent apps/process-engine/ext .  
rsync -avzP --relative ipaas@mdzusvpclinf001:/opt/informatica/infaagent/apps/Data\_Integration\_Server/ext .

## Create Data Staging Directories

Following Script shows creation of staging data directory on NFS shared drive for agent in the group The directories should be owned by ipaas user

Examples:

mkdir -p /nfs/ipaas/data/salesforce  
mkdir -p /nfs/ipaas/data/stackline  
mkdir -p /nfs/ipaas/data/hadoop

## URN Mappings

### Cloud Server DEV

|  |  |  |
| --- | --- | --- |
| URN | VALUE | Comment |
| ae:agent-response-mechanism | async | This optional parameter enables asynchronous communication to agents |
| urn:environment:name | Cloud Server DEV | Defines Environment name for Reporting |
| ae:base-uri | https://ps1w2-ics.rt.informaticacloud.com | Base URL of informatica cloud Pod |

#### Cloud Server QA

|  |  |  |
| --- | --- | --- |
| URN | VALUE | Comment |
| ae:agent-response-mechanism | async | This optional parameter enables asynchronous communication to agents |
| urn:environment:name | Cloud Server QA | Defines Environment name for Reporting |
| ae:base-uri | https://ps1w2-ics.rt.informaticacloud.com | Base URL of informatica cloud Pod |

#### Cloud Server PROD

|  |  |  |
| --- | --- | --- |
| URN | VALUE | Comment |
| ae:agent-response-mechanism | async | This optional parameter enables asynchronous communication to agents |
| urn:environment:name | Cloud Server PROD | Defines Environment name for Reporting |
| ae:base-uri | https://ps1w2-ics.rt.informaticacloud.com | Base URL of informatica cloud Pod |

### Agents DEV

|  |  |  |
| --- | --- | --- |
| URN | VALUE | Comment |
| ae:internal-reporting | http://localhost:8080/activevos/internalreports | System Mapping, do not mot modify unless instructed |
| ae:task-inbox | http://localhost:8080/activevos-central/avc | System Mapping, do not mot modify unless instructed |
| ae:base-uri | https://ps1w2-ics.rt.informaticacloud.com | Base URL of informatica cloud Pod |
| java:comp/env/jdbc/ActiveVOS | java:comp/env/jdbc/ActiveVOS | System Mapping, do not mot modify unless instructed |
| urn:aeHostEnvironmentRuntime | avHostEnvironmentRuntimeAccess | System Mapping, do not mot modify unless instructed |
| urn:environment:name | i.e.: na\_agent\_01 | must match the Actual agent name in the Org. definition |
| urn:environment:orgid | 001WOZ | Org. ID |
| urn:acme:api | https://api.acme.com:8443/api/entiy/v1 | Example API URL |
| urn:acme:api:authorization | encrypted:wn+c1v7mfSucng5qxvaWCIrMvi49lDyq | Example API credentials Encrypted |
| urn:knox:api:staging:dir | /nfs/ipaas/data/acme/integration\_name | Example configurable path to Staging directory |

#### Agents QA

|  |  |  |
| --- | --- | --- |
| URN | VALUE | Comment |
| ae:internal-reporting | http://localhost:8080/activevos/internalreports | System Mapping, do not mot modify unless instructed |
| ae:task-inbox | http://localhost:8080/activevos-central/avc | System Mapping, do not mot modify unless instructed |
| ae:base-uri | https://ps1w2-ics.rt.informaticacloud.com | Base URL of informatica cloud Pod |
| java:comp/env/jdbc/ActiveVOS | java:comp/env/jdbc/ActiveVOS | System Mapping, do not mot modify unless instructed |
| urn:aeHostEnvironmentRuntime | avHostEnvironmentRuntimeAccess | System Mapping, do not mot modify unless instructed |
| urn:environment:name | i.e.: na\_agent\_01 | must match the Actual agent name in the Org. definition |
| urn:environment:orgid | 001WOZ | Org. ID |
| urn:acme:api | https://api.acme.com:8443/api/entiy/v1 | Example API URL |
| urn:acme:api:authorization | encrypted:wn+c1v7mfSucng5qxvaWCIrMvi49lDyq | Example API credentials Encrypted |
| urn:knox:api:staging:dir | /nfs/ipaas/data/acme/integration\_name | Example configurable path to Staging directory |

#### Agents PROD

|  |  |  |
| --- | --- | --- |
| URN | VALUE | Comment |
| ae:internal-reporting | http://localhost:8080/activevos/internalreports | System Mapping, do not mot modify unless instructed |
| ae:task-inbox | http://localhost:8080/activevos-central/avc | System Mapping, do not mot modify unless instructed |
| ae:base-uri | https://ps1w2-ics.rt.informaticacloud.com | Base URL of informatica cloud Pod |
| java:comp/env/jdbc/ActiveVOS | java:comp/env/jdbc/ActiveVOS | System Mapping, do not mot modify unless instructed |
| urn:aeHostEnvironmentRuntime | avHostEnvironmentRuntimeAccess | System Mapping, do not mot modify unless instructed |
| urn:environment:name | i.e.: na\_agent\_01 | must match the Actual agent name in the Org. definition |
| urn:environment:orgid | 001WOZ | Org. ID |
| urn:acme:api | https://api.acme.com:8443/api/entiy/v1 | Example API URL |
| urn:acme:api:authorization | encrypted:wn+c1v7mfSucng5qxvaWCIrMvi49lDyq | Example API credentials Encrypted |
| urn:knox:api:staging:dir | /nfs/ipaas/data/acme/integration\_name | Example configurable path to Staging directory |

# Process Engine Alerting

## QA

### ICRT Email Service

|  |  |
| --- | --- |
| Parameter | Value |
| Enable | true |
| Host | smtp.acme.com |
| Port | 25 |
| From Address | Corresponding to env |
| Username |  |
| Security | None |

### ICRT Fault Alert Service

|  |  |
| --- | --- |
| Parameter | Value |
| Enable Alert Service: | Yes |
| Email for Alerts: | Corresponding env DL |
| Action: | Send Email |
| Service: | N/A |

### ICRT Monitoring Alert Service

|  |  |
| --- | --- |
| Parameter | Value |
| Enable Alert Service: | Yes |

## ICRT Monitoring Thresholds (Agents Only)

see: https://ps1w2-ics.rt.informaticacloud.com/activevos/001WZP/local/agent\_01/monitoring\_thresholds.action

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Property to Monitor | Level | Statistic | OP | Value |
| Dispatch Service message rejected (count) | Warning | Count | >= | 1 |
| Faultedprocesses (count) | Warning | Count | >= | 50 |
| Process count exceeded (count) | Warning | Count | >= | 1 |
| Time to obtain plan (ms) | Warning | Average | >= | 5000 |
| Time to save process (ms) | Error | Average | >= | 5000 |
| Slow XQuery expressions (count) | Statistic | Count | >= | 1 |
| Critical storage exceptions (count) | Count | Count | >= | 1 |
| Work manager work start delay (ms) | Count | Average | >= | 5000 |
| Time to Execute XQuery (ms) | Warning | Max | >= | 10000 |

# ICS Email Notifications

## Global DEV

|  |  |
| --- | --- |
| Error Level | Emails |
| Succes | <fill-in> |
| Warning | <fill-in> |
| Error | <fill-in> |

## Global QA

|  |  |
| --- | --- |
| Error Level | Emails |
| Succes | <fill-in> |
| Warning | <fill-in> |
| Error | <fill-in> |

## Global PROD

|  |  |
| --- | --- |
| Error Level | Emails |
| Succes | <fill-in> |
| Warning | <fill-in> |
| Error | <fill-in> |

# Logging Database

## DEV

|  |  |  |
| --- | --- | --- |
| Parameter | Value | Comment |
| JDBC Connection URL | jdbc:oracle:thin:@hostname:SID |  |
| JDBC Jar Directory | /opt/informatica/infaagent/apps/process-engine/ext |  |
| JDBC Driver Class Name | oracle.jdbc.OracleDriver |  |
| Schema |  |  |
| Username |  |  |
| Password |  |  |
| Object Filter |  | Comma separated list of object names. |
| TimeZone | Default | Database timezone. Use this property if DB and Agent are in different timezones |
| **Read Attributes** |  |  |
| Isolation Level | None | Specifies the isolation level while reading from source object. |
| Override Isolation Level | No | Yes No Specifies if the task should proceed if a non-supported isolation level is chosen |
| **Write Attributes** |  |  |
| Number of retries | 5 | Specifies the number of retries for a closed connection |
| Retry wait period | 3 | Specifies the waiting time period in seconds before retrying |

## QA

|  |  |  |
| --- | --- | --- |
| Parameter | Value | Comment |
| JDBC Connection URL | jdbc:oracle:thin:@hostname:SID |  |
| JDBC Jar Directory | /opt/informatica/infaagent/apps/process-engine/ext |  |
| JDBC Driver Class Name | oracle.jdbc.OracleDriver |  |
| Schema |  |  |
| Username |  |  |
| Password |  |  |
| Object Filter |  | Comma separated list of object names. |
| TimeZone | Default | Database timezone. Use this property if DB and Agent are in different timezones |
| **Read Attributes** |  |  |
| Isolation Level | None | Specifies the isolation level while reading from source object. |
| Override Isolation Level | No | Yes No Specifies if the task should proceed if a non-supported isolation level is chosen |
| **Write Attributes** |  |  |
| Number of retries | 5 | Specifies the number of retries for a closed connection |
| Retry wait period | 3 | Specifies the waiting time period in seconds before retrying |

## PROD

|  |  |  |
| --- | --- | --- |
| Parameter | Value | Comment |
| JDBC Connection URL | jdbc:oracle:thin:@hostname:SID |  |
| JDBC Jar Directory | /opt/informatica/infaagent/apps/process-engine/ext |  |
| JDBC Driver Class Name | oracle.jdbc.OracleDriver |  |
| Schema |  |  |
| Username |  |  |
| Password |  |  |
| Object Filter |  | Comma separated list of object names. |
| TimeZone | Default | Database timezone. Use this property if DB and Agent are in different timezones |
| **Read Attributes** |  |  |
| Isolation Level | None | Specifies the isolation level while reading from source object. |
| Override Isolation Level | No | Yes No Specifies if the task should proceed if a non-supported isolation level is chosen |
| **Write Attributes** |  |  |
| Number of retries | 5 | Specifies the number of retries for a closed connection |
| Retry wait period | 3 | Specifies the waiting time period in seconds before retrying |

# Process Engine Configuration Changes

|  |  |  |  |
| --- | --- | --- | --- |
| Configuration Paramter | Where | Default Value | Mondelez Value |
| JVM Memory Pramters "min-heap" | Cloud Administration/Configure/RuntimeEnvironments/Agent/Process Server/JVM | '512M' | '1G' |
| JVM Memory Pramters "max-heap" | Cloud Administration/Configure/RuntimeEnvironments/Agent/Process Server/JVM | '1536M' | '24G' |
| Message size limit | https://ps1w2-ics.rt.informaticacloud.com/activevos/ORG/local/AGENT/engine\_properties.action | 5242880 (5 MB) | 157286400(150 MB) |
| Message with attachments size limit | https://ps1w2-ics.rt.informaticacloud.com/activevos/ORG/local/AGENT/engine\_properties.action | 5242880 (5 MB) | 157286400(150 MB) |
| Contribution Cache | https://ps1w2-ics.rt.informaticacloud.com/activevos/ORG/local/AGENT/engine\_properties.action | 100 | 200 |
| Deployment Plan Cache: | https://ps1w2-ics.rt.informaticacloud.com/activevos/ORG/local/AGENT/engine\_properties.action | 100 | 200 |
| Shell Service | https://ps1w2-ics.rt.informaticacloud.com/activevos/ORG/local/AGENT/shellcmd\_service.action | disabled | enabled |
| Email Sevice | https://ps1w2-ics.rt.informaticacloud.com/activevos/ORG/local/AGENT/email\_service.action | disabled | enabled |

# SAP BAPI Connector Configuration

To support SAP Bapi Cnnector SAP Client libraries must be placed to corresponding extension directories under the secure agent as described in the [Extension Files and External Libraries](#extension-files-and-external-libraries)

In addition the Secure Engent Classpath must be updated

CLoud Administration Console > Data Integration Server > Tomcat JRE/

JAVA\_LIBS  
../bin/rdtm-extra/tpl/sap/sapjco3.jar:../bin/rdtm/javalib/sap/sap-adapter-common.jar