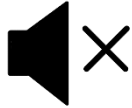


June 16, 2020

Secure Agent in IICS

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Housekeeping Tips



- Today's Webinar is scheduled for **1 hour**
- The session will include a webcast and then your questions will be answered live at the end of the presentation
- All dial-in participants will be muted to enable the speakers to present without interruption
- Questions can be submitted to "All Panelists" via the **Q&A option** and we will respond at the end of the presentation
- The webinar is **being recorded** and will be available to view on our **INFASupport YouTube channel** and **Success Portal**. The link will be emailed as well.
- Please take time to complete the **post-webinar survey** and provide your feedback and suggestions for upcoming topics.

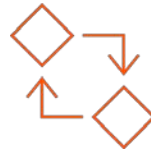
Feature Rich Success Portal



Bootstrap trial and
POC Customers



Enriched Customer
Onboarding
experience



Product Learning
Paths and Weekly
Expert Sessions



Informatica
Concierge with Chatbot
integrations



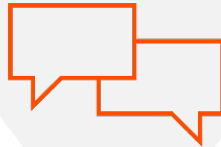
Tailored training and
content
recommendations

More Information



Success Portal

<https://success.informatica.com>



Communities & Support

<https://network.informatica.com>



Documentation

<https://docs.informatica.com>



University

<https://www.informatica.com/in/services-and-training/informatica-university.html>

Safe Harbor

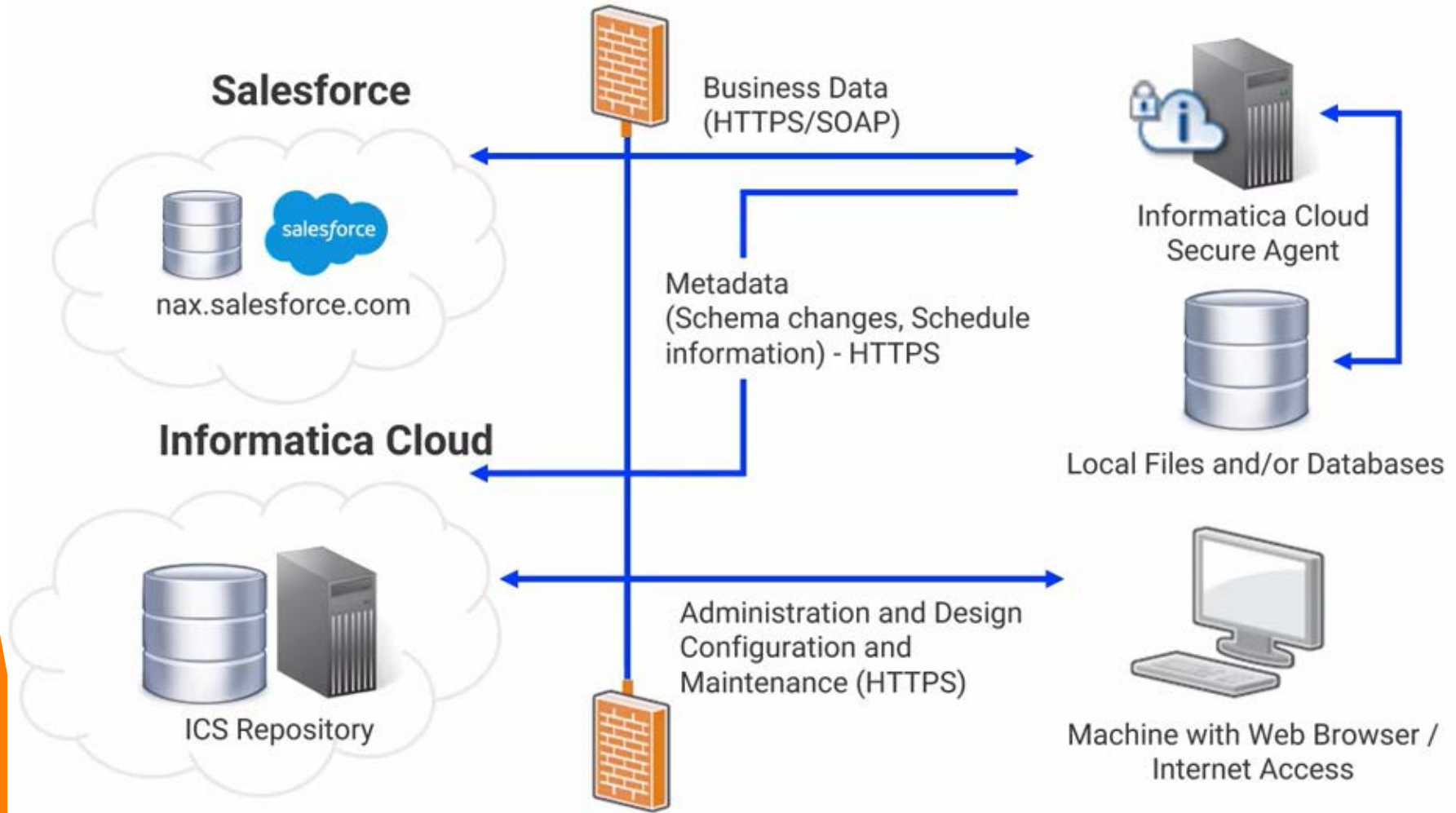
The information being provided today is for informational purposes only. The development, release, and timing of any Informatica product or functionality described today remain at the sole discretion of Informatica and should not be relied upon in making a purchasing decision.

Statements made today are based on currently available information, which is subject to change. Such statements should not be relied upon as a representation, warranty or commitment to deliver specific products or functionality in the future.

AGENDA:

- Secure Agent
- Logs
- Data Integration Service
- Demo

ARCHITECTURE REVIEW



CONFIGURE THE FIREWALL

- Allow traffic to pass over port 443
- whitelists of domains and IP addresses can vary according to your data center
- if the URL starts with usw3.dm-us.informaticacloud.com, your POD is USW3

PROXY ON SECURE AGENT

Linux : Update proxy.ini using the below command
consoleAgentManager.sh configureProxy <proxy host>
<proxy port> <proxy user name> <proxy password>

Windows : Update Secure Agent manager

SECURE AGENT STARTUP

- Services window on Windows operating system. (only on Windows)
- RunAgentMgr.bat OR "Informatica cloud secure agent console" on windows. (only on Windows)

SECURE AGENT STARTUP

- Command: Agent_start.bat/.sh
- Command: runAgentCore.bat/.sh
- Command: Infaagent startup

Agent_start.bat/.sh

- Sets AGENT_START_SCRIPT_DIR
- MAX_RESTART_AGENT_CORE_TRIALS -10
- AGENT_CORE_RESTART_TIME -30sec
- Checks for agentCoreExitMarker .
- If the agentCore startup keeps failing, the agent_start.bat tries restarts for 5 minutes before giving up.

What happens in agentcore process

- To ensure there is only one instance of agentcore process, it obtains a lock on file <Agent_Install_Dir>\apps\agentcore\data\agentcore.lock. This folder also contains appspec for all the services.
- Then reads the agent proxy properties file, infaagent.ini, agentcore.cfg and load agent configuration
- Reads the agent ID from infaagent.ini . If this is null sets the initialState state as NOT_CONFIGURED else set the initial State to CONFIGURED.
- Reads MasterURL from infaagent.ini.
- Once the session with IICS is established and the authentication goes through, you will see the runtime Environment in RUNNING state on your cloud Administrator console.
- Then the agent core gets the list of registered/licensed services and starts and orchestrates them.

CONNECTIVITY TESTS

- Use Curl
- Investigate if there any changes to network when an existing agent stops running suddenly

BEST PRACTICES TO INSTALL SECURE AGENT

- Have a multi core CPU machine (2 cores and 4 CPUs/Logical Processors, at least) Minimum of 16 GB RAM.
- At least 100 GB disk space to run your tasks and store caches and logs.

- Do not install Informatica Cloud Secure Agent in the same machine that is running Informatica PowerCenter Domain server as it might cause LIB/PATH conflicts and performance issues as the machine might not have enough memory or processor resources.
- One secure agent per machine
- Use agent clustering for better performance

SERVICES IN SECURE AGENT

Enable or Disable Services

Choose the services to enable or disable for the Secure Agent group.

File Integration Service	<input checked="" type="checkbox"/>
Process Server	<input type="checkbox"/>
EDC Search Agent	<input type="checkbox"/>
B2B Processor	<input type="checkbox"/>
Data Integration Server	<input checked="" type="checkbox"/>
Streaming Ingestion Agent	<input type="checkbox"/>
Mass Ingestion	<input checked="" type="checkbox"/>
CIH Processor	<input type="checkbox"/>
OI Data Collector	<input type="checkbox"/>
Common Integration Components	<input checked="" type="checkbox"/>
Database Ingestion	<input checked="" type="checkbox"/>

? OK Cancel

AGENT BLACKOUT PERIODS

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
```

```
<BlackoutWindows>
```

```
  <BlackoutWindow>
```

```
    <RepeatFrequency>OneTime</RepeatFrequency>
```

```
    <Start>2019-07-27 5:00:00</Start>
```

```
    <End>2019-07-28 23:00:00</End>
```

```
  </BlackoutWindow>
```

```
  <BlackoutWindow>
```

```
    <RepeatFrequency>Friday</RepeatFrequency>
```

```
    <Start>14:00:00</Start>
```

```
    <End>16:00:00</End>
```

```
  </BlackoutWindow>
```

```
</BlackoutWindows>
```

```
  blackoutWindows.dat<Secure Agent Installation  
Directory>\apps\Data_Integration_Server\conf\
```

LOGS – APPLICATION LOGS [AGENT]

- ***agentcore.log***

When a given service does not come up, when unable to start the service, register agent

- ***infaagent.log***

It provides all the details of the network connectivity such as success, failure, timing of the successful connection, and attempts made to reconnect

LOGS – APPLICATION LOGS [DIS]

- *scripts.log*

Will have the logs various scripts that's get executed as part of Agent Startup/Shutdown process

- *tomcat.log*

Provides the stats of the task like, time when the task was started, the request sent, and response received

- *tomcat.out*

Provides stderr/console error from Tomcat server.

LOGS – APPLICATION LOGS [DIS]

- *Temp files*

Tomcat process creates some temp files in the system's default temp directory when the agent is started. For Linux, it is /tmp/ and in Windows it is %temp%. This can be changed to different location if required

- *LOGLEVEL=DEBUG to get runtime debugging from agent level*

LOGS – TASK LOGS [DIS]

- *Session Logs*
Agent\apps\Data_Integration_Server\logs
- *Error Files* .
Agent\apps\Data_Integration_Server\data\error
- *Success Files*
Agent\apps\Data_Integration_Server\data\success

LOGS – MAINTENANCE [DIS]

- *Session Log*
- *Error Files*
- *Success Files*
- *cache files*
- *temp files (Default System temp directory. Can be configured to be rerouted)*

- *tomcat.log*
- *infaagent.log*
- *agentcore.log*

- *Older versions of*
 - DIS Folders [<Installation Directory>\apps\Data_Integration_Server\]
 - tomcat.log
 - agentcore.log

DATA INTEGRATION SERVER

- Runs Data integration jobs like mappings, tasks and taskflows
- Data Integration Server resiliency
 - NetworkTimeoutPeriod
 - NetworkRetryInterval

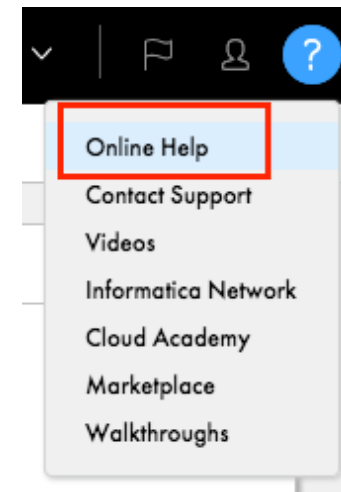
MEMORY SETTINGS

- TOMCAT JRE → INFA_MEMORY : -Xms***m -Xmx****m -XX:MaxPermSize=***m
- DTM → JVMOption 1 : -Xmx****m
- Tomcat → maxDTMProcesses : Depends on hardware
 - Secure Agent Cluster can be also used if more number of jobs need to be run in parallel

DEMO

IICS Helpful links

- Online Documentation/Videos
- [Informatica Network Portal](#)
- Written and Video kb



Question and Answer

Thank You