

AI Agent Studio demo.

Agent Team with Agent for tool of type “External Rest” to send mail.

Introduction/Goal.

The purpose of this demo is to show step by step how to create and test successfully “Agent Team” able to send mail from “Agent” using tool of type “External REST”.

What is this demo for?

We are learning to build some basic bricks to orchestrate more complex Agent Teams in next chapters.

Preparatory steps.

- Roles.

Assign proper roles to the user used in demo.

This part is outside the scope of the document.

Reference document.

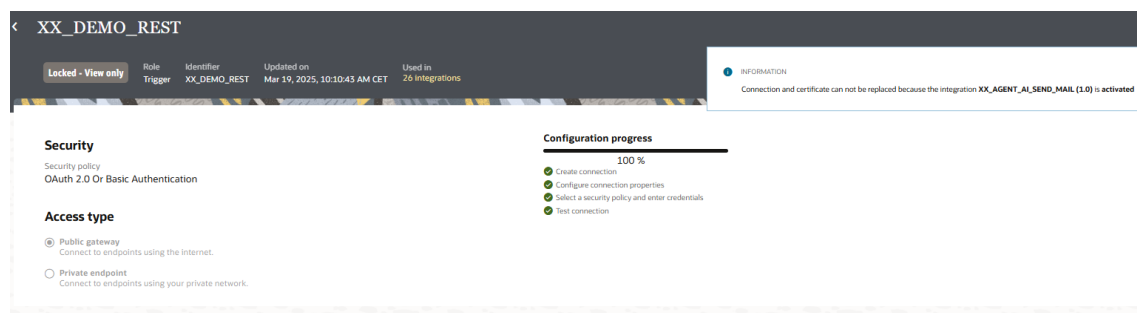
<https://docs.oracle.com/en/cloud/saas/fusion-ai/aiaga/how-can-i-give-users-access-to-ai-agents.html#u30260600>

- OIC part.

Dummy integration is provided in GitHub.

The integration receives parameters and return a response simulating sending mail.

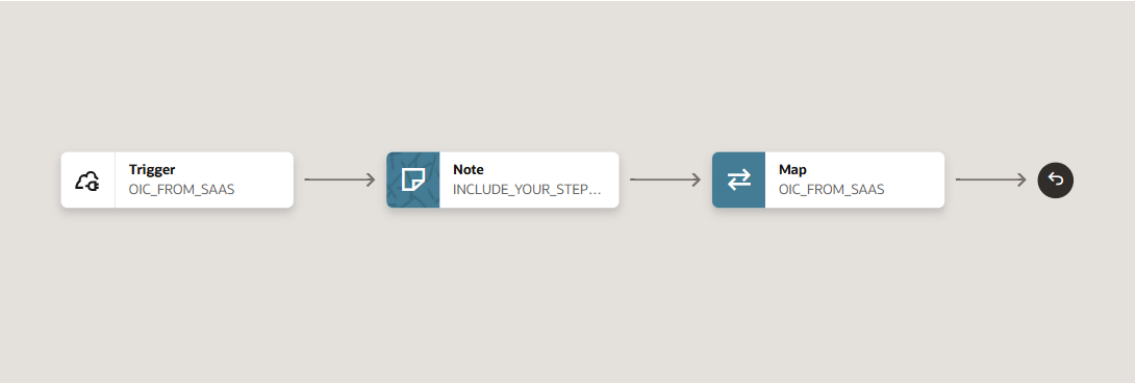
a) Connection of type basic authentication.



b) General Overview.

Dummy integration for learning purposes, sending mail with notification activity is not done.

Many blogs explains this notification OIC activity.



c) Unit test.

< XX_AGENT_AI_SEND_MAIL (1.0.0)

Configure and run

Configure request properties, then run the integration and verify the response. [Click here to read more.](#)

POST

/ic/api/integration/v1/flows/rest/XX_AGENT_AI_SEND_MAIL/1.0/

Request

URI parameters

Headers

Body

cURL

Integration properties

Text

File

1

{

2

"pMailTo": "xx",

3

"pHeaderId": "xx",

4

"pBody": "xx"

5

}

Response

Status:

200 OK

Instance ID:

nW153Y_nEfCImTPzridY9A

Body

Headers

1

{

2

"Status": "Ok",

3

"Message": "Message sent for: xx"

4

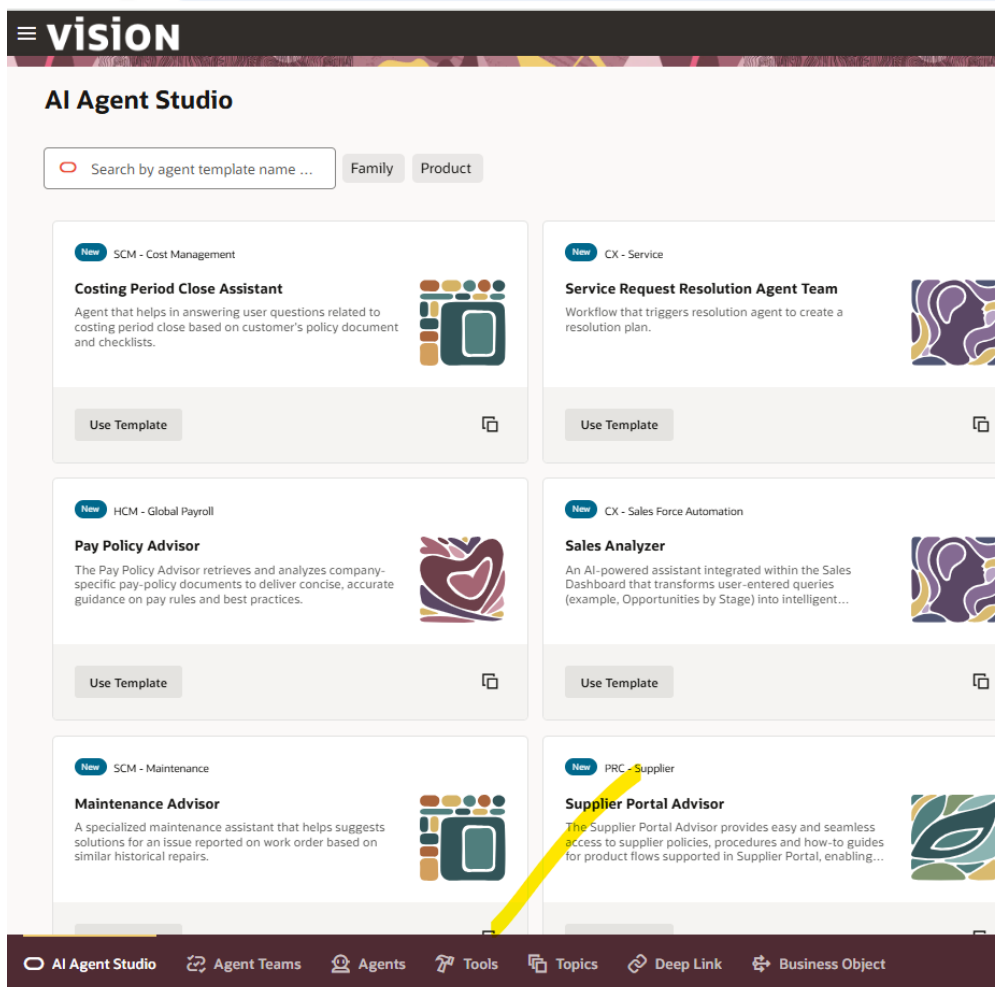
}

Steps in AI for Fusion.

- Enter the “AI Agent Studio”. Menu->Tools.



Go to “Tools” tab as shown.



Fill the fields as shown to call our OIC integration.

AA_DEMO_TOOL_REST_01

Cancel

Create

Tool Type

External REST

Tool Name

AA_DEMO_TOOL_REST_01

Tool Code

AADEMOTOOLREST01

Family

FIN

Product

Other

Description

Send mail using REST API.

Require human approval

Enable if you want human approval before running the tool.

Authorization

Functions

Authorization

Tool name: AA_DEMO_TOOL_REST_01.

- In “Authorization” tab.

Instance URL:

<https://oic3-zzzz-qqqq-yu.integration.ca-montreal-1.ocp.oraclecloud.com>

We will use Basic Authentication.

Description

Send mail using REST API.

Require human approval

Enable if you want human approval before running the tool.

Authorization

Functions

Authorization

Instance URL

<https://oic3-partners-bots4saas-yu.integration.ca-mon>

Authentication

Basic

Description

REST call to OIC integration

Authentication details

User Name

juanje

Password

Cancel

Update

- Navigate to “Functions” tab.

Require human approval

☐

Enable if you want human approval before running the tool.

Authorization Functions

+ Add

After an external endpoint is added, you can see it here.

Name: XX_SEND_MAIL.

Resource path:

`/ic/api/integration/v1/flows/rest/XX_AGENT_AI_SEND_MAIL/1.0/`

Edit Endpoint

Name
XX_SEND_MAIL

Only numbers, alphabets, _ and - are allowed

Operation Type
HTTP POST

Resource Path
/ic/api/integration/v1/flows/rest/XX_AGENT_AI_SEND_MAIL/1.0/

Description
This agent is to send mails.
Please provide pMailTo, pHeaderId and pBody.

```
{
  "pMailTo": "xx",
  "pHeaderId": "xx",
  "pBody": "xx"
}
```

Body Template

```
{
  "pMailTo": "{MailTo}",
  "pHeaderId": "{HeaderId}",
  "pBody": "{Body}"
}
```

Description.

This agent is to send mail.

Please provide pMailTo, pHeaderId and pBody.

```
{
  "pMailTo": "xx",
  "pHeaderId": "xx",
  "pBody": "xx"
}
```

Body template (payload).

```
{
  "pMailTo": "{MailTo}",
  "pHeaderId": "{HeaderId}",
  "pBody": "{Body}"
}
```

Add parameters as shown. They must match above.

Notice “{” is not {“

We played for a while with the wrong order of this.

Add Endpoint

This agent is to send mails.
Please provide pMailTo, pHeaderId and pBody.

```
{
  "pMailTo": "xx",
  "pHeaderId": "xx",
  "pBody": "xx"
}
```

Body Template

```
{
  "pMailTo": "{MailTo}",
  "pHeaderId": "{HeaderId}",
  "pBody": "{Body}"
}
```

Parameters


+ Add

Name	Data Type
Body	String
Description	
Provide Body for mail	

Name	Data Type
HeaderId	String
Description	
Provide header id.	

Name	Data Type
MailTo	String
Description	
Provide receipient of mail	

- In “Sample Query” tab.




Parameters	Sample Queries	Headers
<div>+ Add</div>		
Name Body Description provide Body		Data Type String
Name HeaderId Description provide HeaderId		Data Type String
Name MailTo Description provide MailTo		Data Type String

Add the following.

Parameters	Sample Queries	Headers
<div>+ Add</div>		
Query <pre>{ "pMailTo": "xx", "pHeaderId": "xx", "pBody": "xx" }</pre>		Description Sample demo

Click here when finished.

Parameters	Sample Queries	Headers
<div>+ Add</div>		
Name Body Description Provide Body	Data Type String	✎
Name HeaderId Description Provide HeaderId	Data Type String	✎
Name MailTo Description Provide MailTo	Data Type String	✎
<div>Cancel Add</div>		



Now you have the “External REST” Tool.

AA_DEMO_TOOL_REST_01

Cancel

Save

Tool Type

External REST

Tool Name

AA_DEMO_TOOL_REST_01

Tool Code

AADEMOTOOLREST01

Family

FIN

Product

Other

Description

Send mail using REST API.

Require human approval

☐

Enable if you want human approval before running the tool.

Authorization

Functions

+ Add

Name

XX_SEND_MAIL

Operation Type

POST

- Go to “Agent Teams” tab.

Click “Add” button.

VISION

Agent Teams

Search by agent team name, cod...

Family

Product

Created By

61 items

+ Add

Agent Team Name	Description
Permit Inspection Assistant DSGV	Permit Inspection Assistant to retrieve inspections, inspection comments, inspection checklists, inspection checklist items and instructions.
Pay Analyst DSHRZ	Clarifies details on pay slips, helping workers understand their salary breakdown and deductions.
Costing Setup Assistant DSHRZ	Agent that can help implementers understand key costing concepts and provides suggestions based on best practices for configuring cost accounting.

XX_AGENT_TEAM_MAIL

Details

LLM

Questions

Security

Agent Team Name

XX_AGENT_TEAM_MAIL

Agent Team Code

XXAGENTTEAMMAIL

Family

FIN

Product

Other

Maximum Interactions

10

Description

Agent to send mail

Click “Create” button below.

Now add Agent, clicking “New Worker Agent” as shown.

XX_AGENT_TEAM_MAIL

Agents

Ask Oracle

Family Product Created By ...

9 items

New Worker Agent

New Supervisor Agent

Available agents

JP PO Agent

No data to display

Now enter data as shown.

9

AI for Fusion CookBook

AA_AGENT_MAIL_01

Worker Agent

Details

LLM

Agent Name

AA_AGENT_MAIL_01

Agent Code

AAAGENTMAIL01

Family

FIN

Product

Other

Maximum Interactions

10

Description

Send Mail

Prompt

1. Ask user to enter body, recipient and headerid
2. Call external tool to send mail

+

Cancel

Create

And click “Create” button.

Now add agent, selecting first “Tools” in the canvas as shown.

vision

XX_AGENT_TEAM_MAIL

Tools

Family

Product

Tool Type

13 Items

AA_DEMO_TOOL_REST1

External REST Tool

Enrolled Plans...

Business Object Tool

Qualified Entitlement...

Business Object Tool

Absence Balance...

Business Object Tool

Donations...

Business Object Tool

Existing Absences...

Business Object Tool

My Team...

Business Object Tool

Cash Disbursements...

Business Object Tool

Cash Disbursements...

Deep Link Tool

AA_AGENT_MAIL_01

Send Mail

Tool(0)

Topic(0)

AA_DEMO_TOOL_REST_01

External REST Tool

Tool Type

External REST

Tool Name

AA_DEMO_TOOL_REST_01

Tool Code

AADEMOOOLREST01

Product

Other

Description

Send mail using REST API.

Require human approval

Authorization

Functions

Authorization

Instance URL

https://oic3-partners-bots4saas-yu.integration.ca-mgmtmail-1.ocp.oraclecloud.com/tc/api/integration/v1/flows/rest/XX_AGENT_AI_SEND_MAIL/1.0/

Authentication

Basic

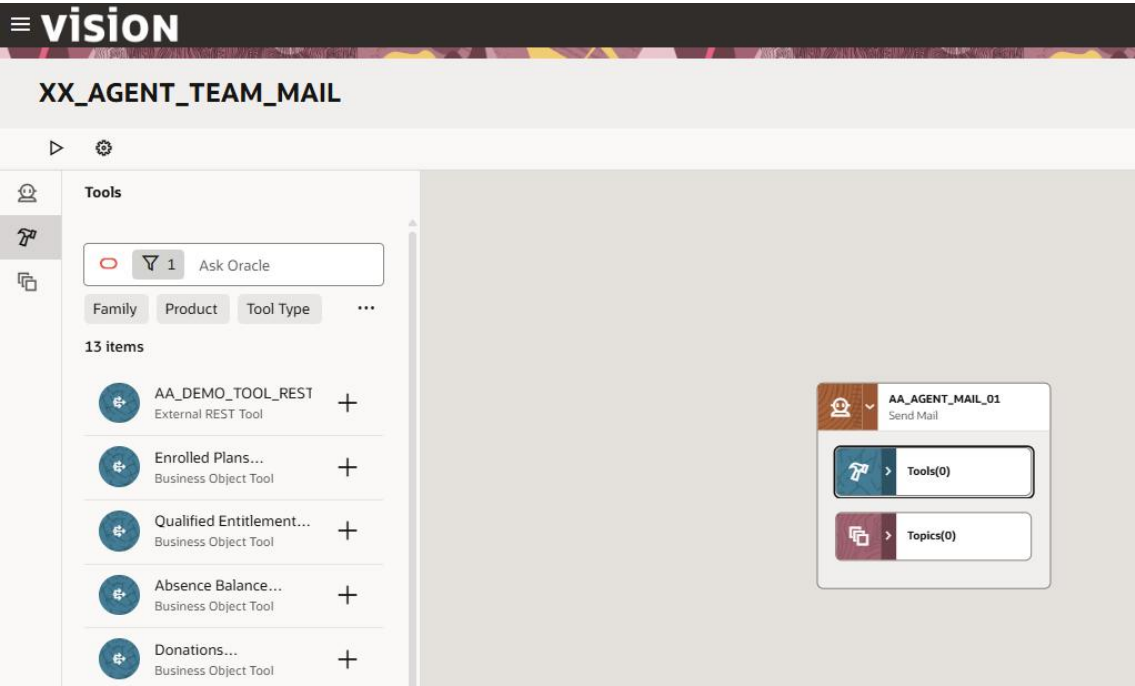
Description

REST call to OIC integration

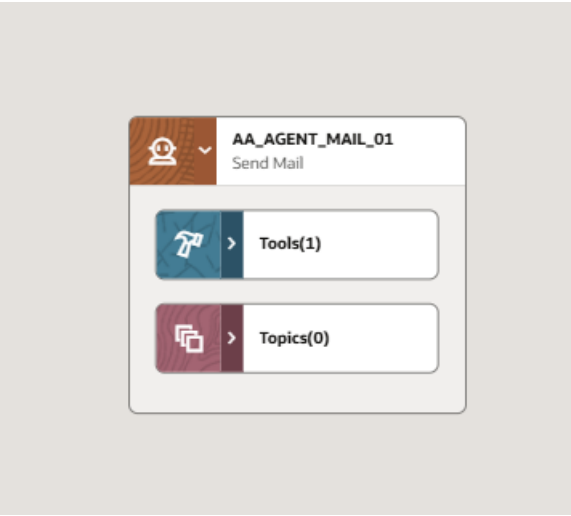
Cancel

Add

Now use the filters for your Tool on the left side and click Plus(+) Icon.

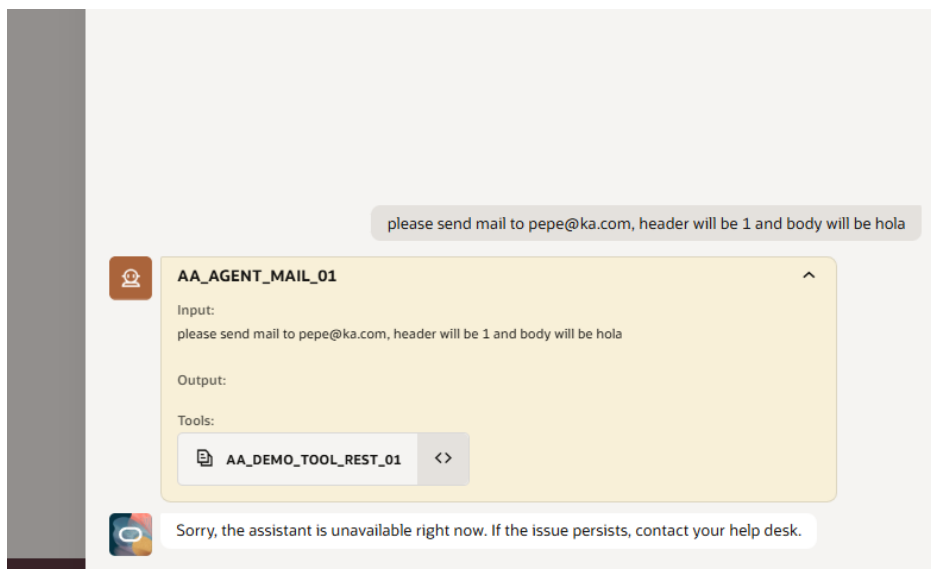
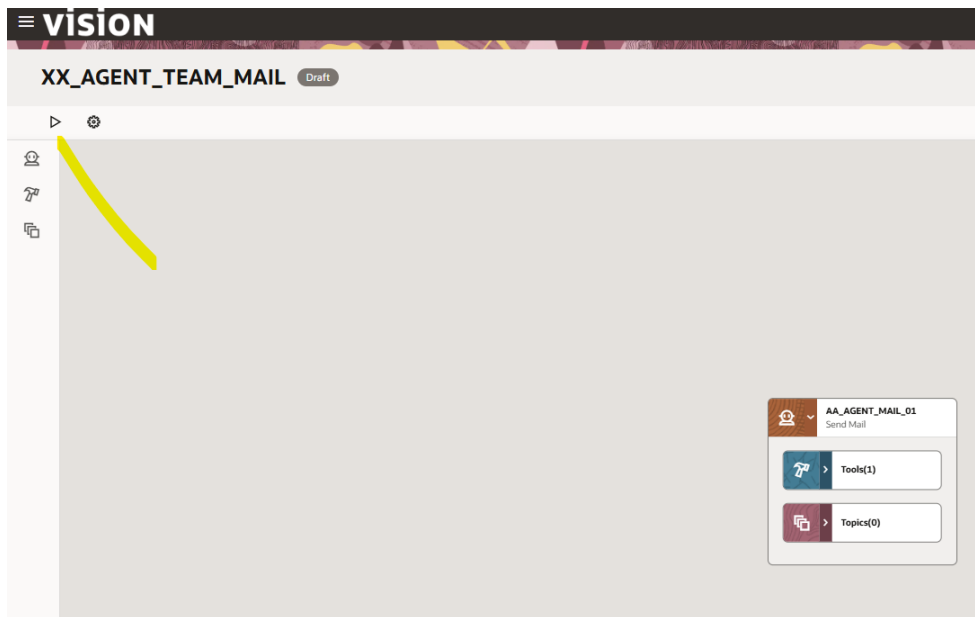


You will have the tool included in Agent.



Unit Test.

Click on Icon as shown.



Mmmm, for first try, It seems to need a bit of help.

1) Sending this, it works:

```
{ "pMailTo": "Charles", "pHeaderId": "00003", "pBody": "body message" }
```

```
{ "pMailTo": "Charles", "pHeaderId": "00003", "pBody": "body message" }
```

AA_AGENT_MAIL_01
⤴

Input:

```
{ "pMailTo": "Charles", "pHeaderId": "00003", "pBody": "body message" }
```

Output:

El correo ha sido enviado correctamente a Charles con el asunto "00003" y el mensaje "body message". Si necesitas enviar otro correo o cualquier otra cosa, estoy aquí para ayudarte.

Tools:

AA_DEMO_TOOL_REST_01
<>

Time taken:

9.52 seconds

El correo ha sido enviado correctamente a Charles con el asunto "00003" y el mensaje "body message". Si necesitas enviar otro correo o cualquier otra cosa, estoy aquí para ayudarte.

Reviewing the OIC instance.

Instances			
<div> <div>Time window Last 1 hour</div> <div>Integration XX_AGENT_AI_SEND_MAIL (XX_AGENT_AI_SEND_MAIL 01.00.0000) x</div> <div>Display instances Retained</div> <div>Sort by Last updated time Clear</div> </div>			
4 instances			
Primary identifier	Instance ID	Status	Business Identifiers
pHeaderId: 00003 XX_AGENT_AI_SEND_MAIL 1.0.0	8WpDHpB-EIClFtwjYC3...	Succeeded	<div>pBodybody message</div> <div>pMailToCharles</div>

2) Also, with this.

MailTo=demo999 HeaderId=9999 Body=hola9999

MailTo=demo999 HeaderId=9999 Body=hola9999

AA_AGENT_MAIL_01
^

Input:
MailTo=demo999 HeaderId=9999 Body=hola9999

Output:
El correo ha sido enviado correctamente a demo999 con el asunto "9999" y el mensaje "hola9999". Si necesitas enviar otro correo o cualquier otra cosa, estaré encantado de ayudarte.

Tools:

AA_DEMO_TOOL_REST_01

<>

Time taken:
7.40 seconds

El correo ha sido enviado correctamente a demo999 con el asunto "9999" y el mensaje "hola9999". Si necesitas enviar otro correo o cualquier otra cosa, estaré encantado de ayudarte.

Reviewing the OIC instance.

pHeaderId: 9999 XX_AGENT_AI_SEND_MAIL 1.0.0	RorANZB_EfCIIfwYc3YQ	Succeeded	pBody pMailTo	hola9999 demo999
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3) This now seems to work also.

send to Nick, body is hola14 and Header is 33

Reviewing the OIC instance.

6 instances				
Primary identifier	Instance ID	Status	Business Identifiers	
pHeaderId: 33 XX_AGENT_AI_SEND_MAIL 1.0.0	ikH1fJB_EfCImTPzIdY9A	Succeeded	pBody pMailTo	hole14 Nick

Conclusion.

We are able to send mail (pending to complete the dummy integration) using an Agent that uses a Tool of type external REST.

Technical

Code example	Comments
XX_AGENT_AI_SEND_MAIL_01.00.0000.iar	To be used in demo.
NA	Export tool for Agent Teams seems to be available in 25D release.