

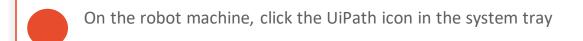
Infrastructure Training Lesson 7 Recap

Robot Setup – Connect to Orchestrator

Manually connecting robots to Orchestrator

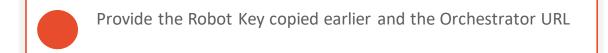
(using the Settings dialog box)

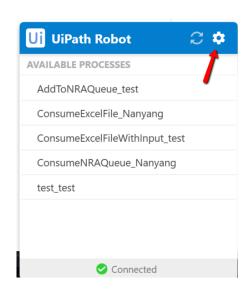






Click the gear button and select Settings – you need to have elevated rights to open Settings





UI UiPath Robot Settings		
Orchestrator Configuration		
Machine Name	OBESTEA	
Robot Key	86ce3c94-e506-4f35-9559-6e76ec10d57d	
Orchestrator URL	https://amrita.deskover.local	
	Connect	Disconnect
Robot Logging		
Level	Information	~
Status: Connected		Close



Connecting robots to Orchestrator – Potential Errors

Errors that can appear when we try to connect the robot to Orchestrator:

There are no robots with the specified key and machine name.

The Robot Key that you typed is wrong, or you made a typo when provisioned the robot in Orchestrator

Cancelled task, bad request, or the remote host did not answer in a timely manner.

Check LAN Settings in Internet Options -> Connections; if a proxy server is involved, we will discuss that in detail later on

No Robots defined!

You copied the Robot Key of a different robot / machine

The given header was not found.

Check again the Orchestrator URL, maybe you copied it from the browser and it contains more than the simple URL (like .../robots)





The remote certificate is invalid according to the validation procedures.

Either the public key of the self-signed certificate was not imported on the robot machine, or it was imported to the wrong place; we will discuss that in detail later on



Manually connecting robots to Orchestrator

(using the command line)







You can type UiRobot.exe --help at any time

On the robot machine, open cmd with elevated rights (Run as administrator)

Provision the robot in





Orchestrator by running: *Uirobot.exe* -connect -url <orchestrator_url>-key <robot key>

Connect the robot to

Navigate to the main installation folder, C:\Program Files (x86)\UiPath\Studio (or C:\Program Files (x86)\UiPath Platform).





The same errors as those for the Settings dialog box can appear



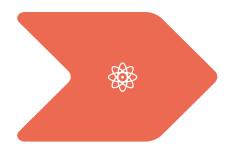
Dealing with a proxy server



If the robot machine uses a proxy server (not a proxy script), then the following change needs to be made:

➤ In C:\Program Files (x86)\UiPath Studio\UiRobot.exe.config, add the following section, at the end of the <configuration> section (in this section, but at the end of it):





```
<configuration>
....
<system.net>
<defaultProxy>
<proxy
usesystemdefault="true"
proxyaddress="http://<your_proxy>:<your_port>"
bypassonlocal="true"
/>
</defaultProxy>
</system.net>
</configuration>
```

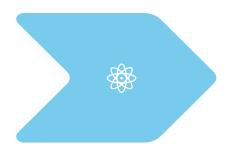
Dealing with a proxy server (c-ed)



If UiPath Studio is also installed on the robot machine, the additional change below has to be made to enable Publishing from UiPath Studio to Orchestrator

➤ In C:\Windows\SysWOW64\config\systemprofile\AppData\Roaming\NuGet\NuGet.config (create this file if it doesn't exist), add the following section, in the <configuration> node:

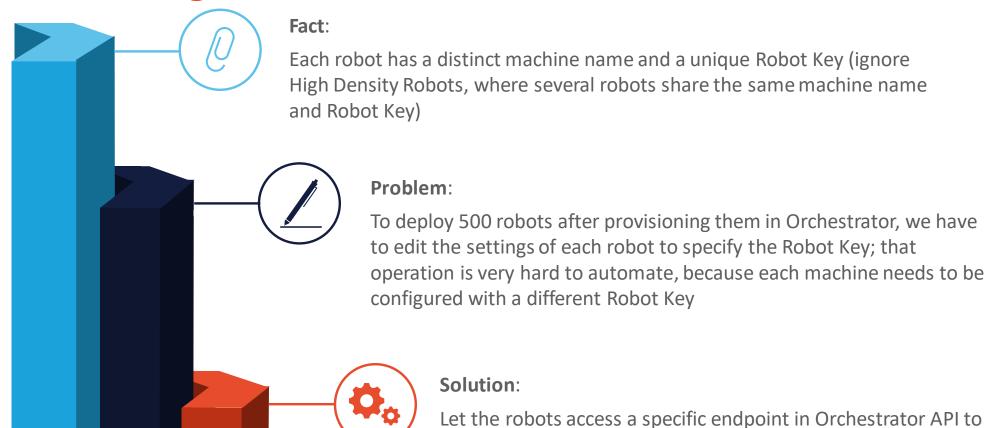




```
<configuration>
....
<config>
     <add key="http_proxy"
value="http://<your_proxy>:<your_port>"/>
</config>
</configuration>
```

Restart the "UiPath Robot" service.
This only covers the un-authenticated proxy scenario.

Automating the connection of robots to Orchestrator



extract the configuration (Robot Key, Nuget API Key,

Orchestrator URL, Activities Feed, etc.)



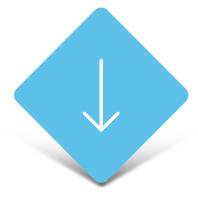
Automating the connection of robots to Orchestrator(c-ed)





Implementation:

- 1. At installation time, using the MSI installer;
- 2. After installation, using UiRobot.exe



1. At installation time: run UiPathPlatform.msi with CONNECTIONSTRING. One single command is used for all the robots, because the connection string is the same.



msiexec /i
UiPathPlatform.msi
ADDLOCAL=DesktopFeature,
Robot,RegisterService,Packa
ges,StartupLauncher
CONNECTIONSTRING=https:
//orchestrator/api/robotsser
vice/GetConnectionData?te
nantId=1 /qn

Automating the connection of robots to Orchestrator(c-ed)





Implementation:

- 1. At installation time, using the MSI installer;
- 2. After installation, using UiRobot.exe



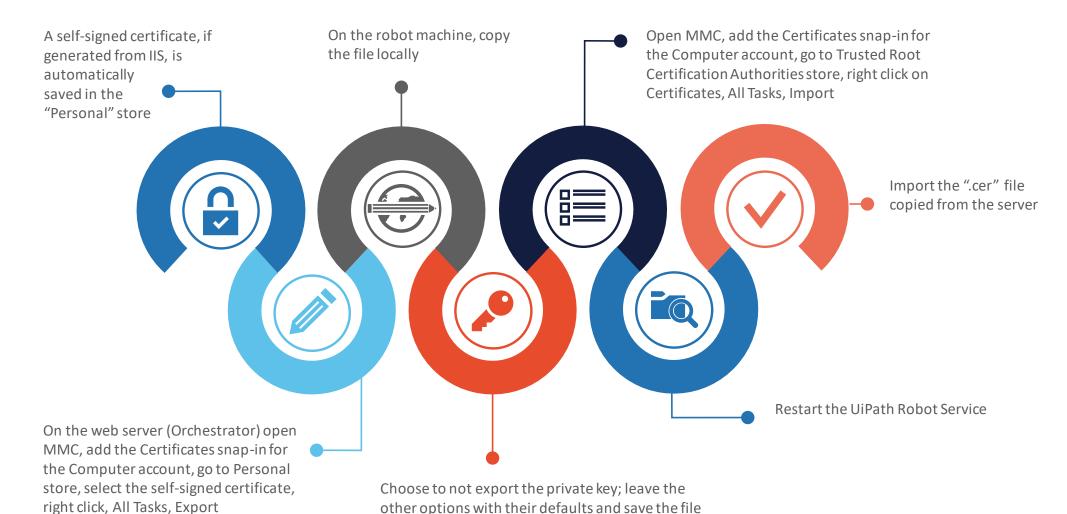
Post installation: run UiRobot.exe with -connect -connectionString



The command is the following:

UiRobot.exe --connect connectionString
https://orchestrator/api/robot
sservice/GetConnectionData?t
enantId=1

Importing the public key of a self-signed certificate







Thank you!

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