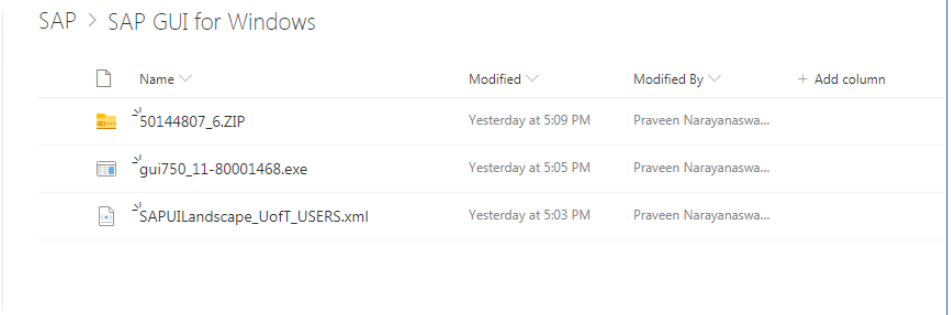
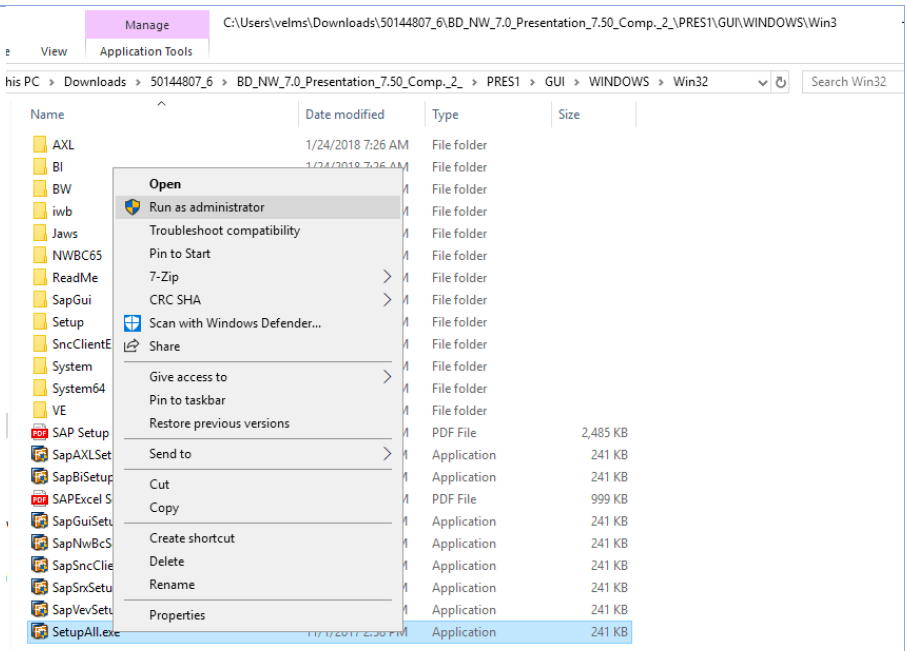
Instructions for Windows manual deployment of SAP GUI

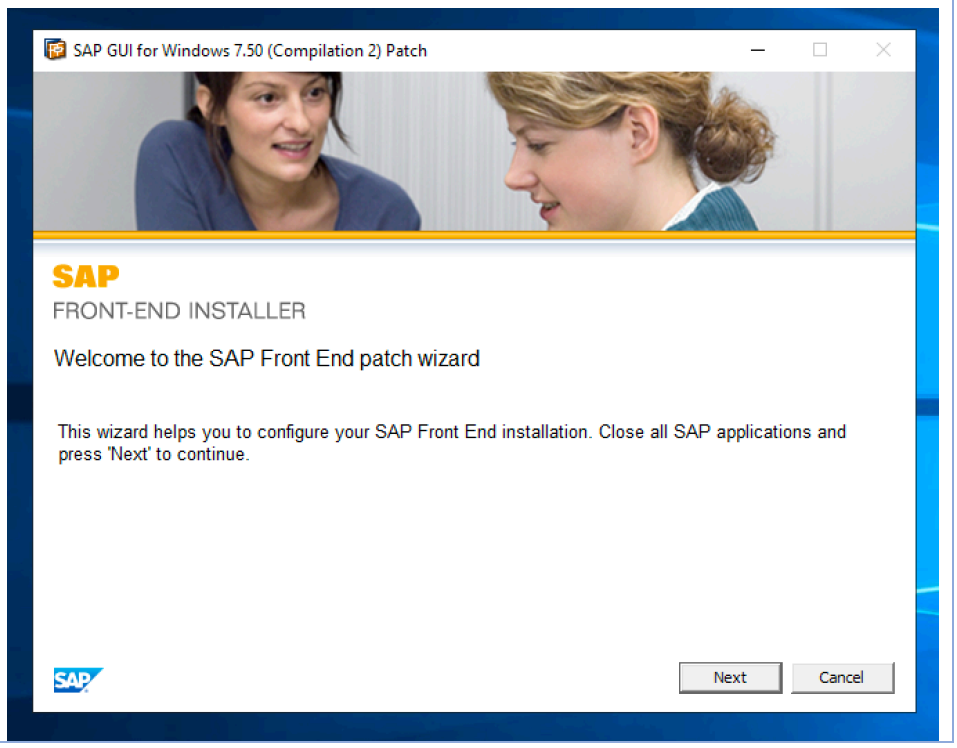
Target version	SAP GUI 7.50 PL11
Prepare for Installation	Backup user's current settings – Make a copy of folder ***%APPDATA%\SAP\Common***
Uninstall any current SAP GUI Version	Use Add and Remove Programs

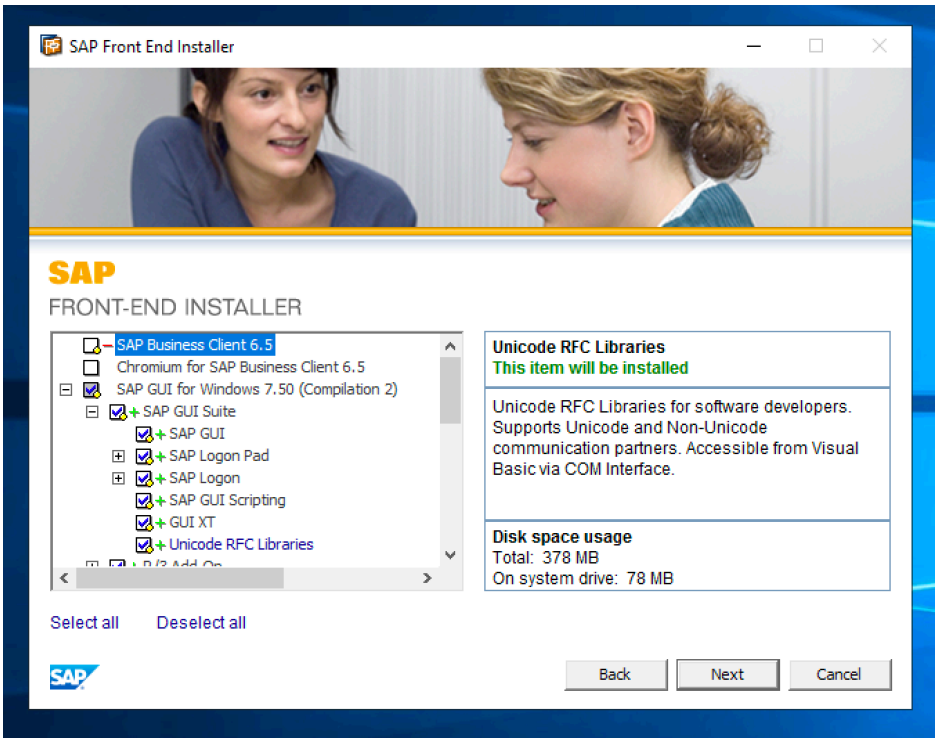
Update local *services* file	File Location is: C:\Windows\System32\drivers\etc
	
	Open in editor As Administrator and append the following entries + **a blank line** at the end of the file
	
	`sapmsAMS 3606/tcp`
	
	`sapmsQNA 3615/tcp`

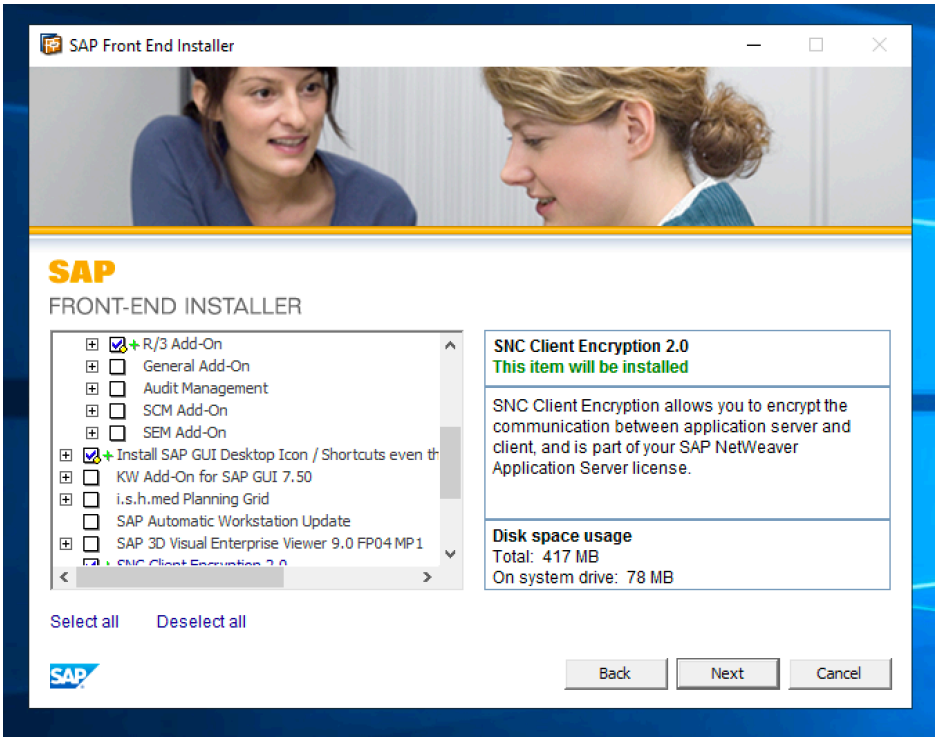
SAP GUI and Patch Location	https://uoft.me/sap-gui-for-windows 
Install SAP GUI 7.50 IMPORTANT: Include the SNC Client Encryption with the installation	1. Unzip 50144807_6.ZIP 2. Navigate to <UNZIPPED_LOCATION>\50144807_6\BD_NW_7.0_Presentation_7.50_Comp._2_\PRES1\GUI\WINDOWS\Win32 3. Run installer (SetupAll.exe) As Administrator



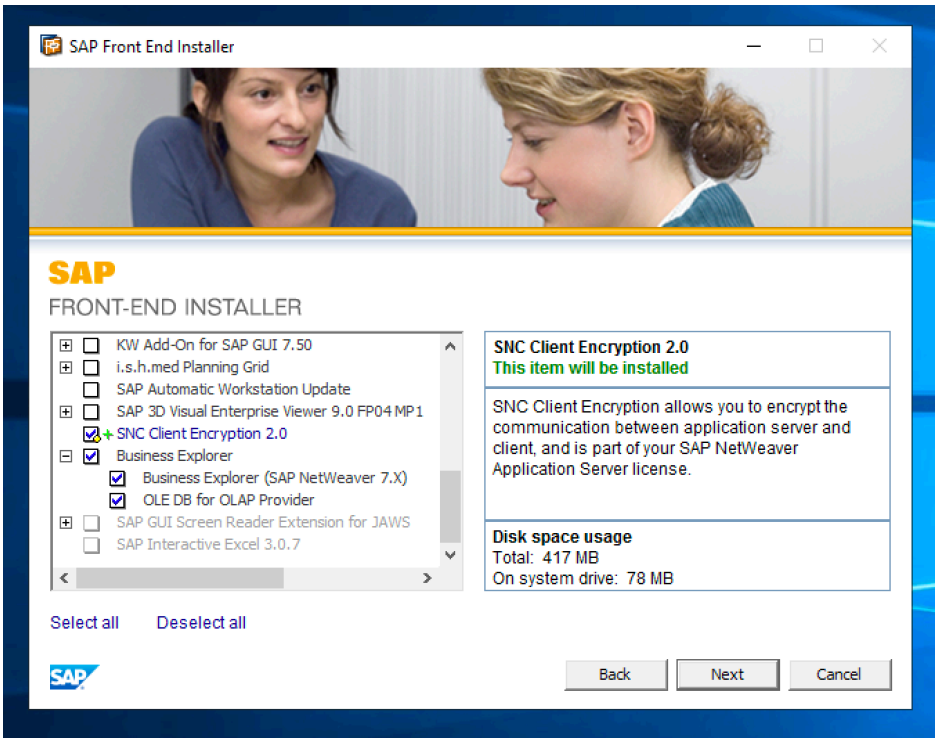
4. Make the following selection

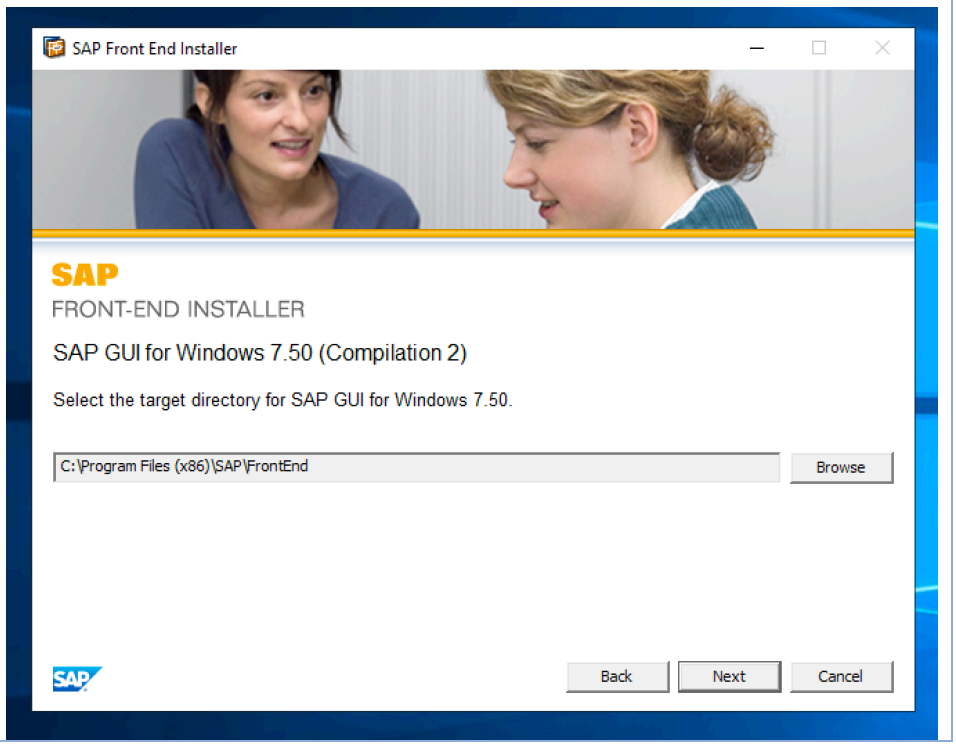


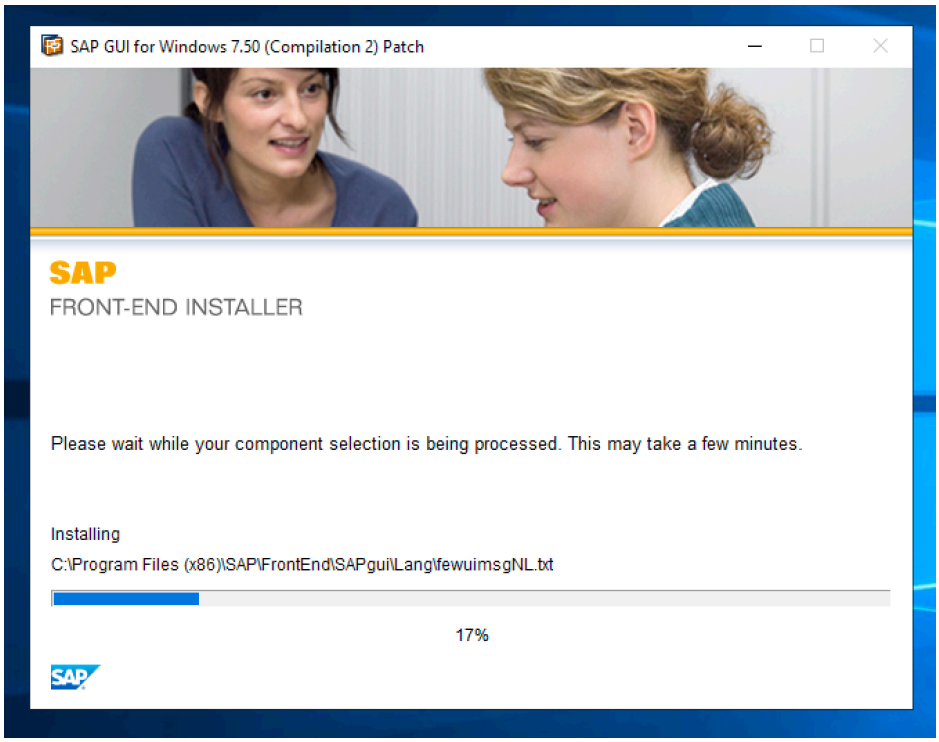
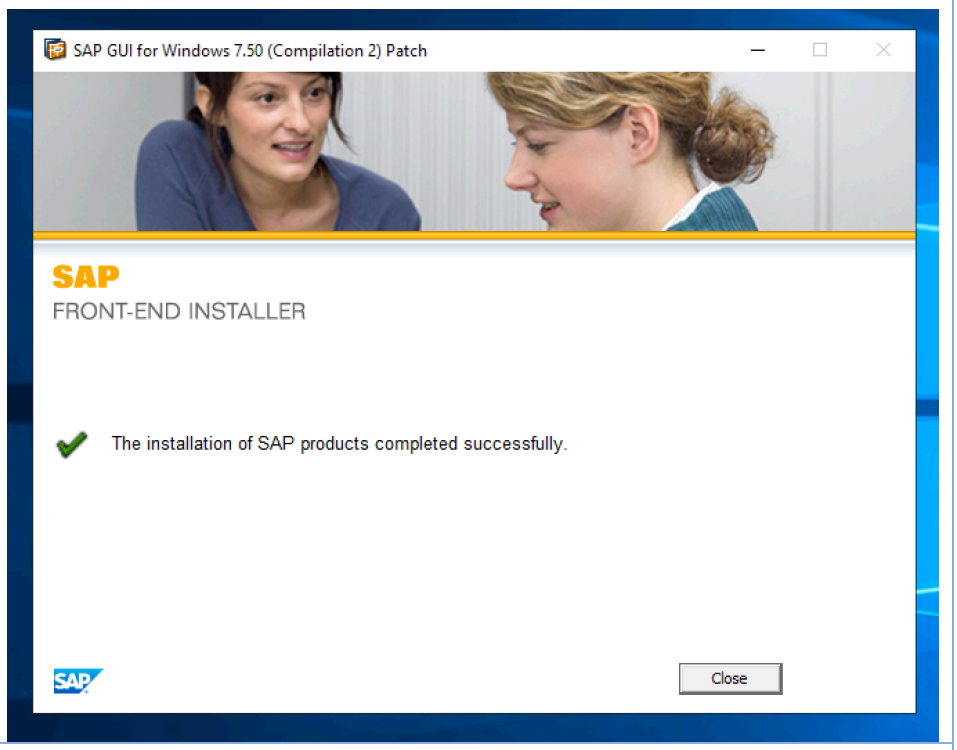


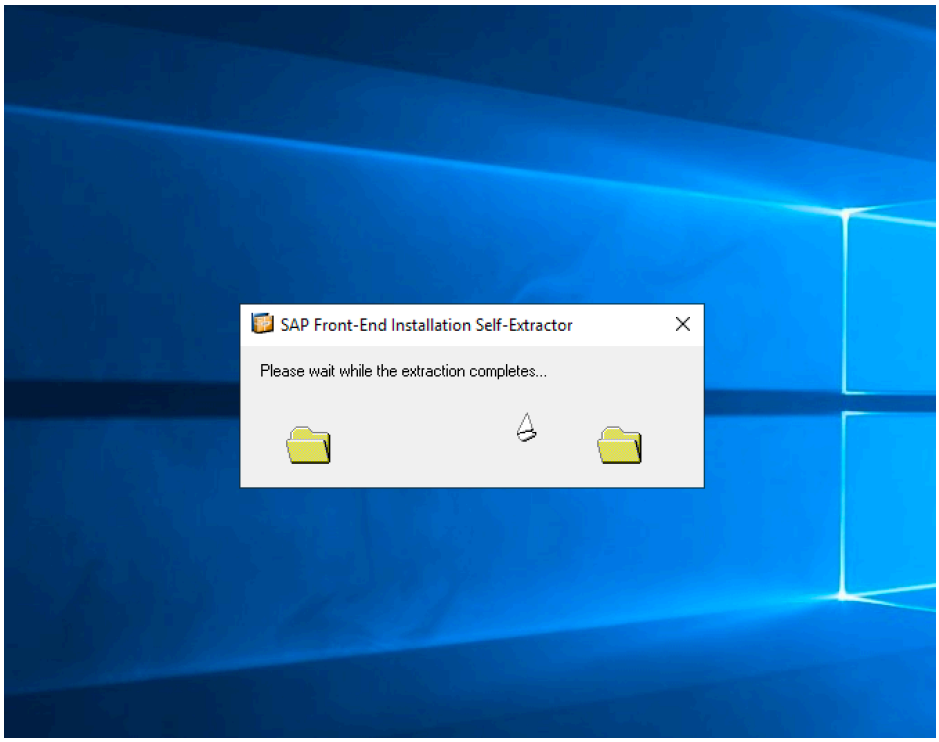


Important to have the **SNC Client Encryption 2.0** selected

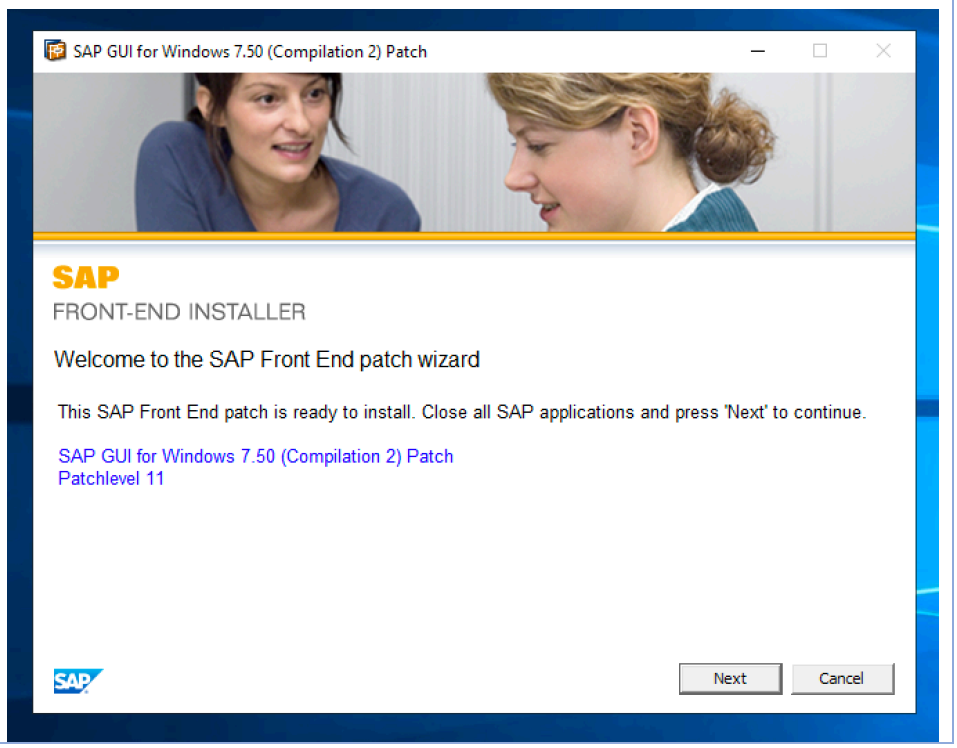

SAP Front End Installer
SAP
FRONT-END INSTALLER
KW Add-On for SAP GUI 7.50
i.s.h.med Planning Grid
SAP Automatic Workstation Update
SAP 3D Visual Enterprise Viewer 9.0 FP04 MP1
SNC Client Encryption 2.0
Business Explorer
Business Explorer (SAP NetWeaver 7.X)
OLE DB for OLAP Provider
SAP GUI Screen Reader Extension for JAWS
SAP Interactive Excel 3.0.7
SNC Client Encryption 2.0
This item will be installed
SNC Client Encryption allows you to encrypt the communication between application server and client, and is part of your SAP NetWeaver Application Server license.
Disk space usage
Total: 417 MB
On system drive: 78 MB
Select all
Deselect all
Back
Next
Cancel

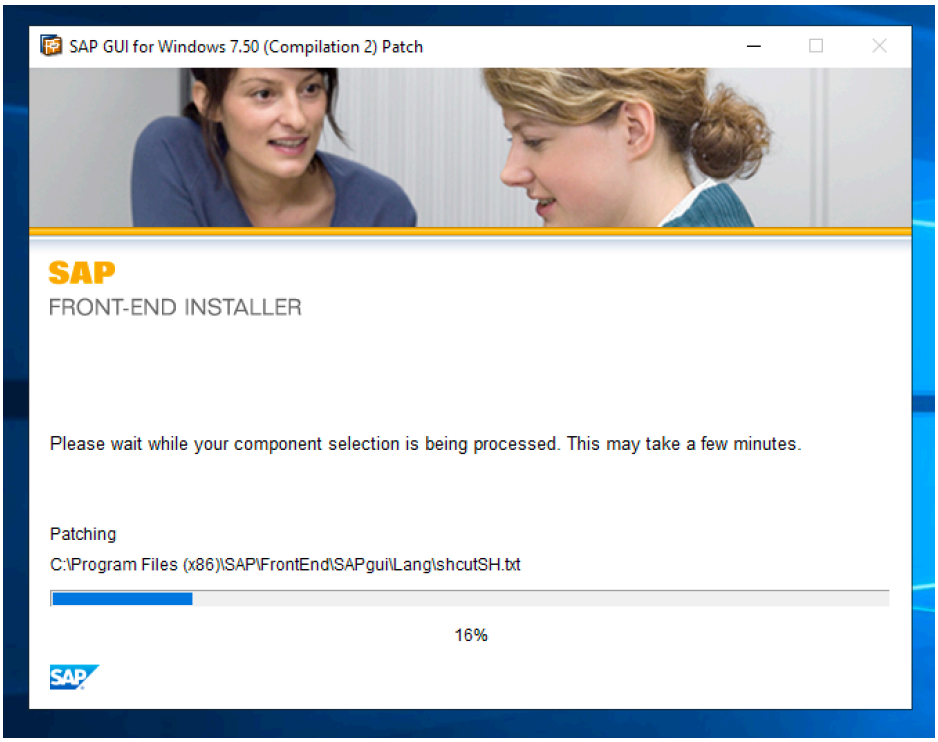

SAP Front End Installer
SAP
FRONT-END INSTALLER
SAP GUI for Windows 7.50 (Compilation 2)
Select the target directory for SAP GUI for Windows 7.50.
C:\Program Files (x86)\SAP\FrontEnd
Browse
Back
Next
Cancel

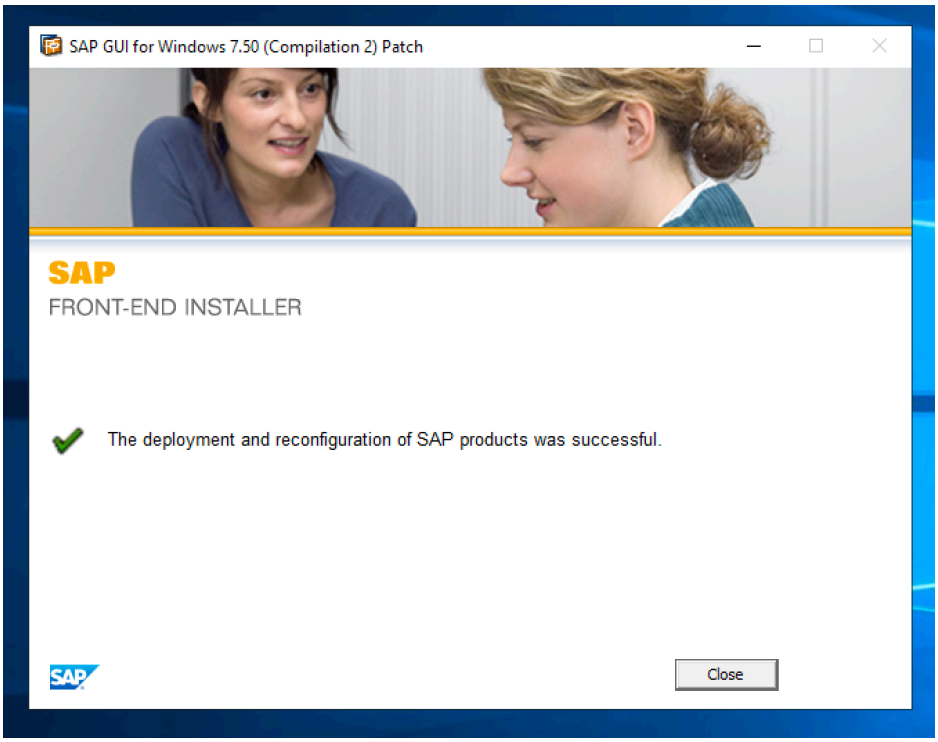
	 
Update / Patch SAP GUI Installation	1. Navigate to file *gui750_11-80001468.exe* and Run it as Administrator



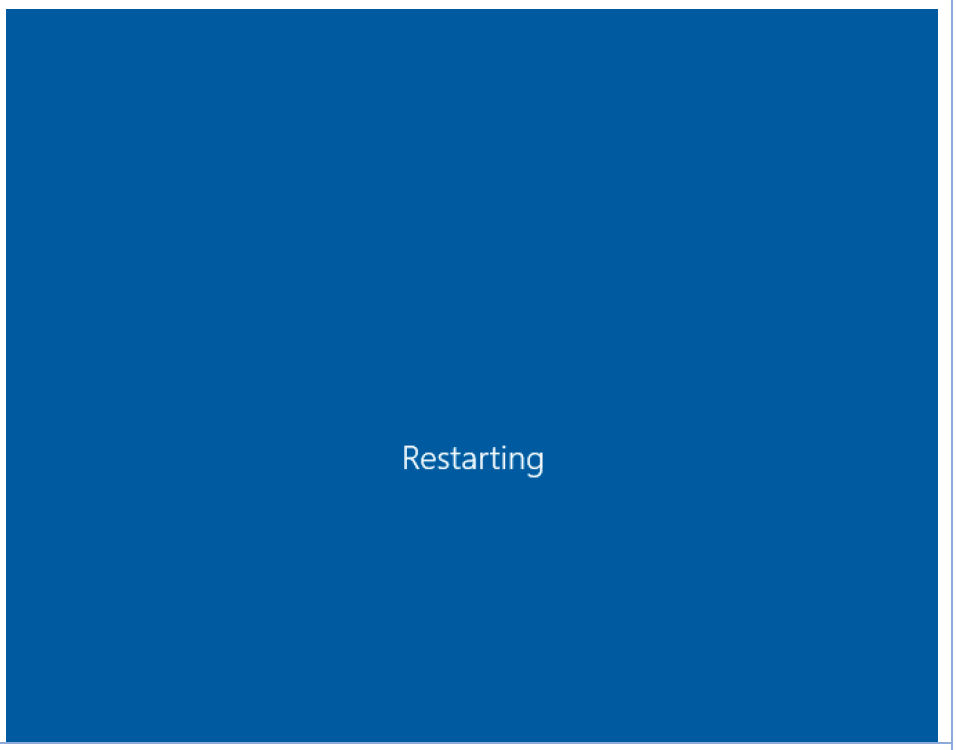
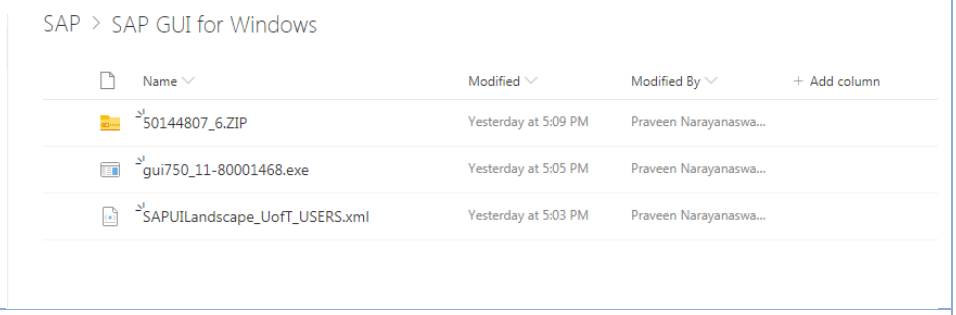
2. Follow the prompts

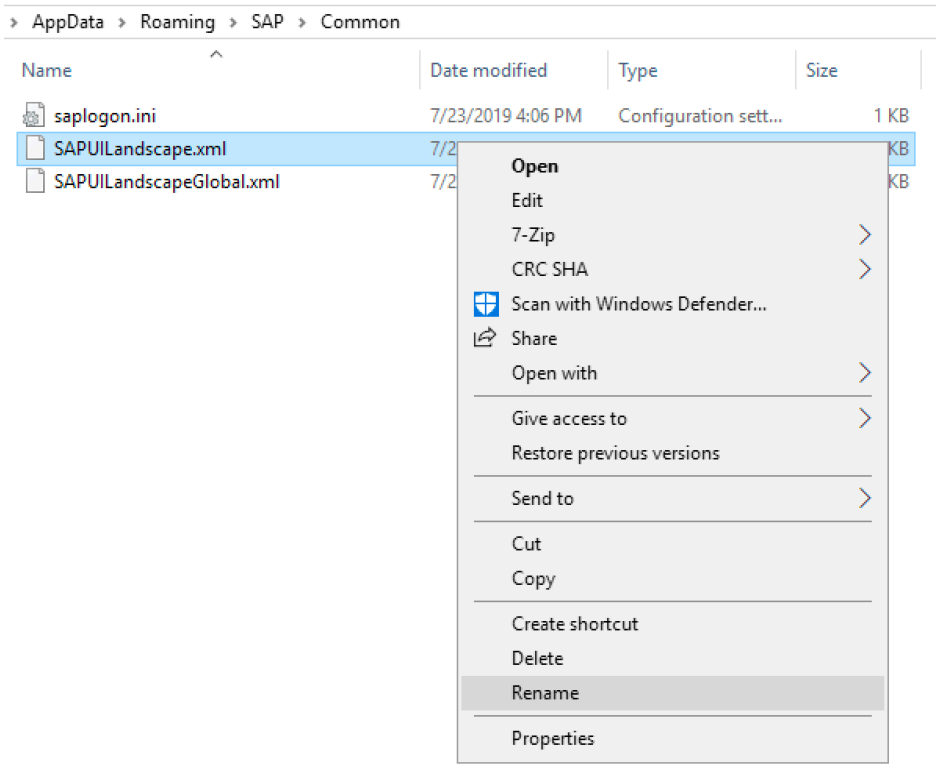


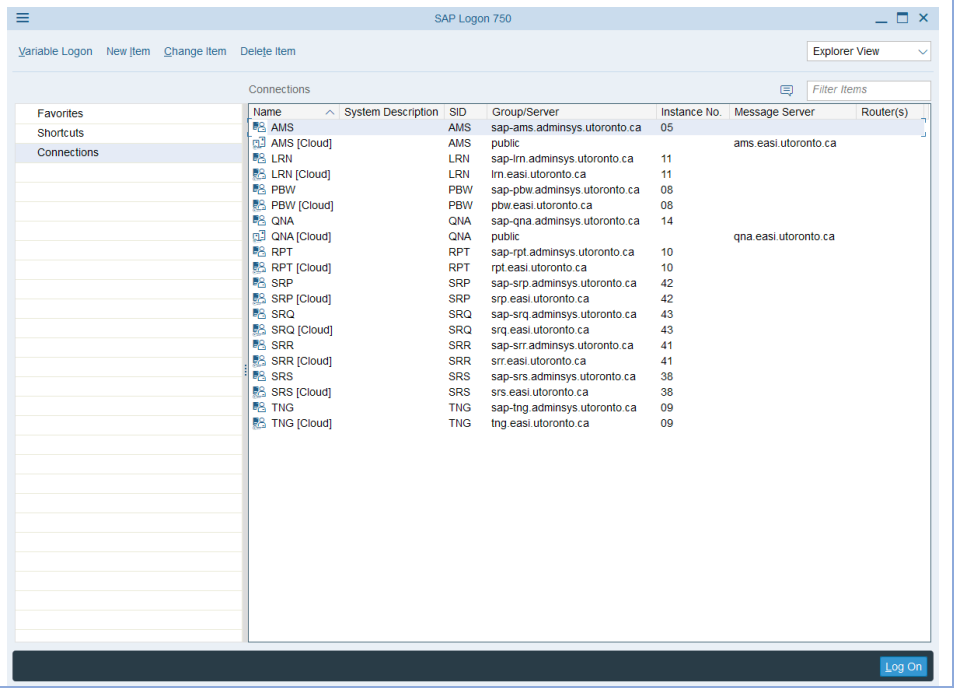




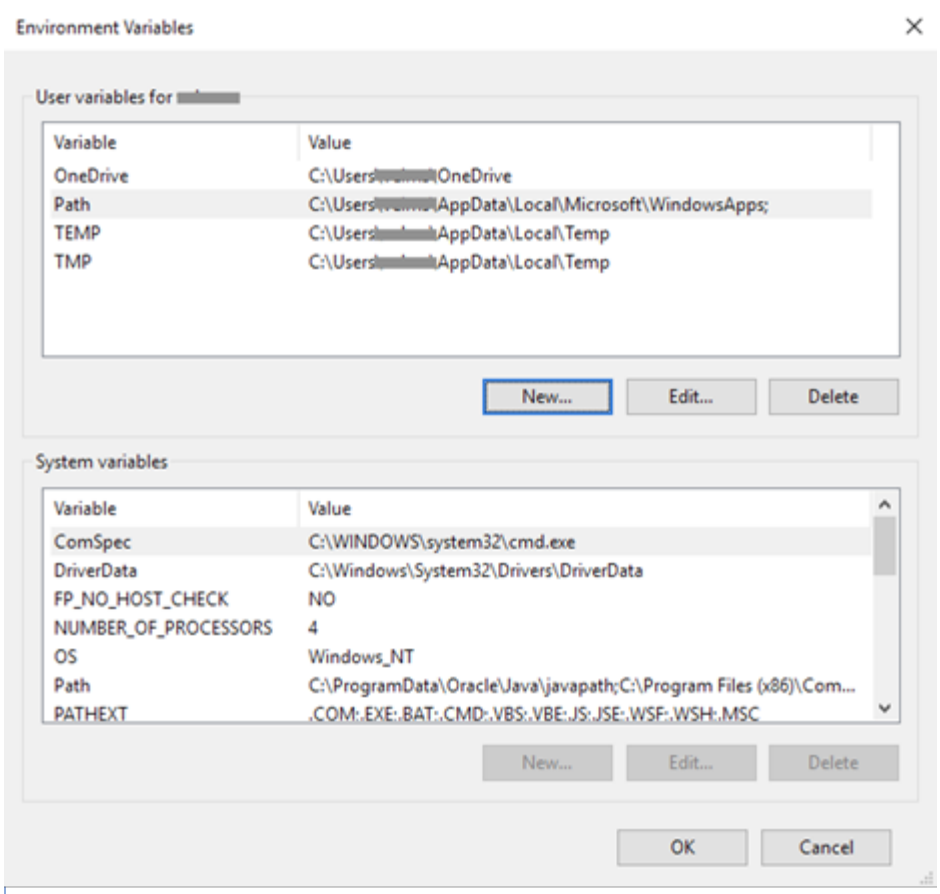
3. Restart the system

	
SAP GUI XML Location	https://uoft.me/sap-gui-for-windows 
Replace the GUI XML file accordingly	We already have a backup of folder ***%APPDATA%\SAP\Common*** We have to now replace the existing “default” Rename the current file with name ***SAPUILandscape.xml*** to ***SAPUILandscape.xml.original***

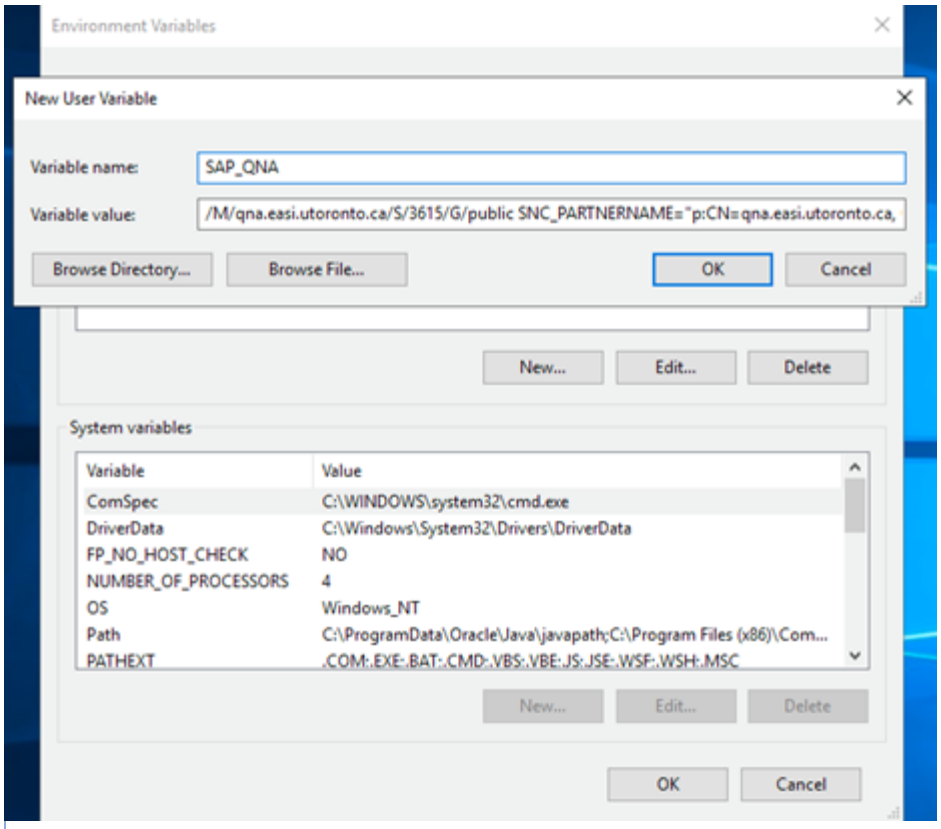
	 Choose the proper XML based on the target group. Copy the chosen file as ***%APPDATA%\SAP\Common\SAPUILandscape.xml***
Target Group: **Business Users**	Use XML file ***SAPUILandscape_UofT_USER.xml***

Result: SAP Business Users	

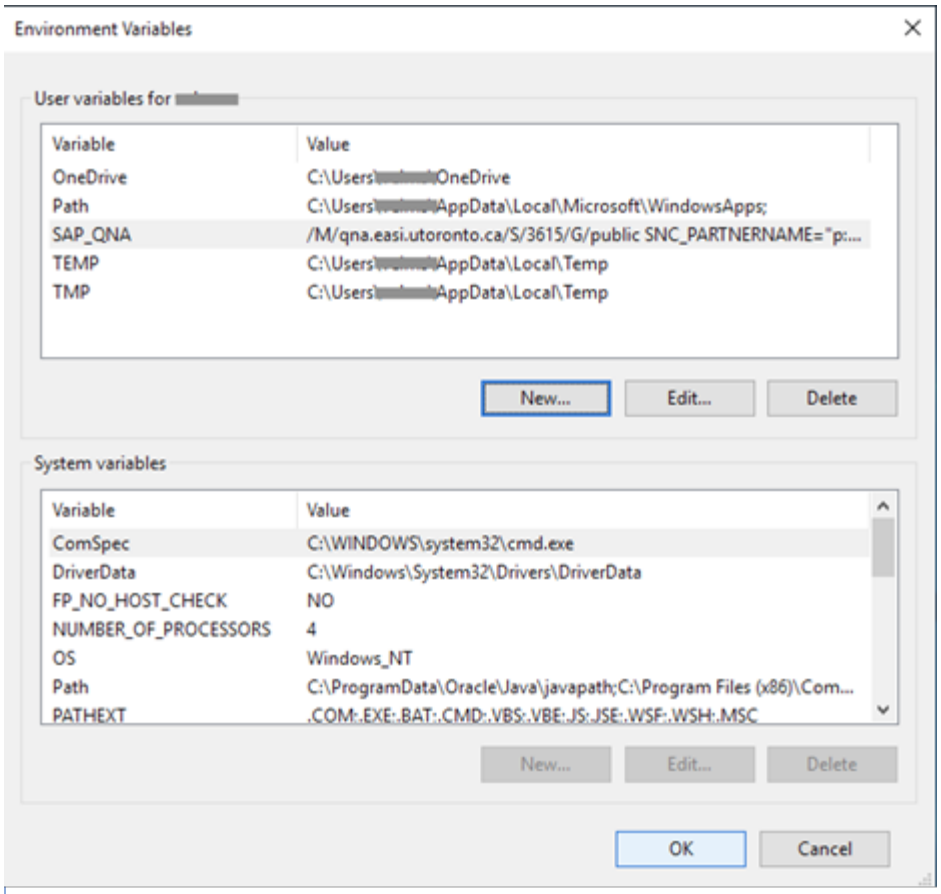
SAP GUI Shortcuts – SAP Systems in Azure Cloud	
List of required SAP GUI shortcuts – SAP Cloud Systems	- QNA Cloud - AMS Cloud - LRN Cloud - PBW Cloud - RTP Cloud - SRP Cloud - SRQ Cloud - SRR Cloud - SRS Cloud - TNG Cloud
Create Windows User Environment Variable	1. Open Start menu and search for Run (or use keyboard shortcut Windows key + R) 2. Put in the Open field: ***`rundll32 sysdm.cpl,EditEnvironmentVariables`*** and hit OK 3. Create a new User Environment



4. Enter Variable Name and Value as follows (lists of all variables provided below)



5. The new variable is now created



6. **Repeat steps 1-5** for ALL SAP System variables in scope (see below)

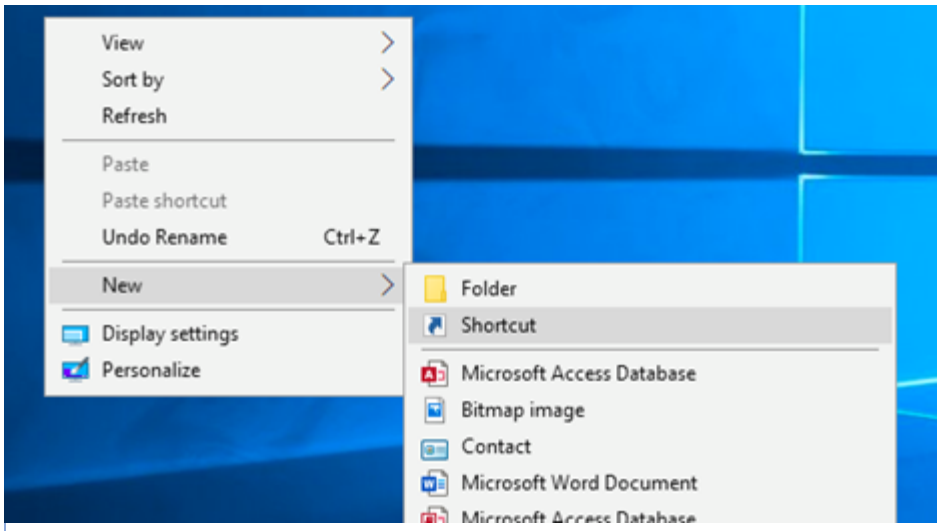
7. When ready, click OK

List of Environment Variables

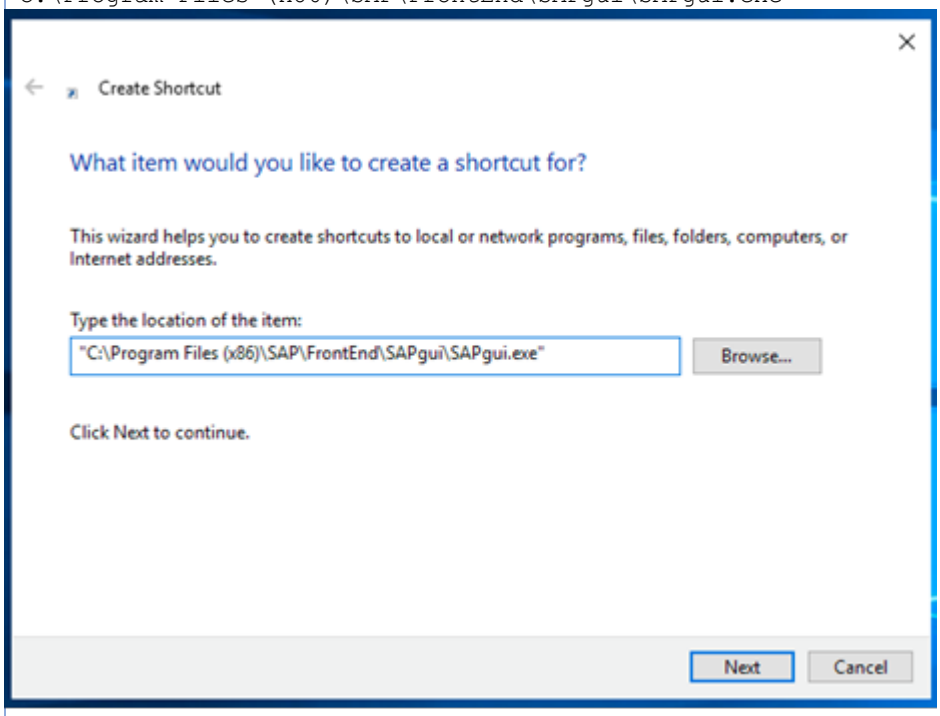
Variable Name	**Variable Value**
SAP_QNA	/M/qna.easi.utoronto.ca/S/3615/G/public SNC_PARTNERNAME="p:CN=qna.easi.utoronto.ca, OU=Unified Communications, OU=EASI, O=Governing Council of the University of Toronto, ST=255 Huron St., L=Toronto, SP=Ontario, postalCode=M5S 3J1, C=CA" SNC_QOP=8 /SUPPORTBIT_ON=NEED_STDDYNPRO

SAP_AMS	/M/ams.easi.utoronto.ca/S/3606/G/public SNC_PARTNERNAME="p:CN=ams.easi.utoronto.ca, OU=Unified Communications, OU=EASI, O=Governing Council of the University of Toronto, ST=255 Huron St., L=Toronto, SP=Ontario, postalCode=M5S 3J1, C=CA" SNC_QOP=8 /SUPPORTBIT_ON=NEED_STDDYNPRO
SAP_LRN	/M/lrn.easi.utoronto.ca/S/3612/G/public SNC_PARTNERNAME="p:CN=lrn.easi.utoronto.ca, OU=Unified Communications, OU=EASI, O=Governing Council of the University of Toronto, ST=255 Huron St., L=Toronto, SP=Ontario, postalCode=M5S 3J1, C=CA" SNC_QOP=8 /SUPPORTBIT_ON=NEED_STDDYNPRO
SAP_PBW	/M/pbw.easi.utoronto.ca/S/3609/G/public SNC_PARTNERNAME="p:CN=pbw.easi.utoronto.ca, OU=Unified Communications, OU=EASI, O=Governing Council of the University of Toronto, ST=255 Huron St., L=Toronto, SP=Ontario, postalCode=M5S 3J1, C=CA" SNC_QOP=8 /SUPPORTBIT_ON=NEED_STDDYNPRO
SAP_RPT	/M/rpt.easi.utoronto.ca/S/3611/G/public SNC_PARTNERNAME="p:CN=rpt.easi.utoronto.ca, OU=Unified Communications, OU=EASI, O=Governing Council of the University of Toronto, ST=255 Huron St., L=Toronto, SP=Ontario, postalCode=M5S 3J1, C=CA" SNC_QOP=8 /SUPPORTBIT_ON=NEED_STDDYNPRO
SAP_SRP	/M/srp.easi.utoronto.ca/S/3643/G/public SNC_PARTNERNAME="p:CN=srp.easi.utoronto.ca, OU=Unified Communications, OU=EASI, O=Governing Council of the University of Toronto, ST=255 Huron St., L=Toronto, SP=Ontario, postalCode=M5S 3J1, C=CA" SNC_QOP=8 /SUPPORTBIT_ON=NEED_STDDYNPRO

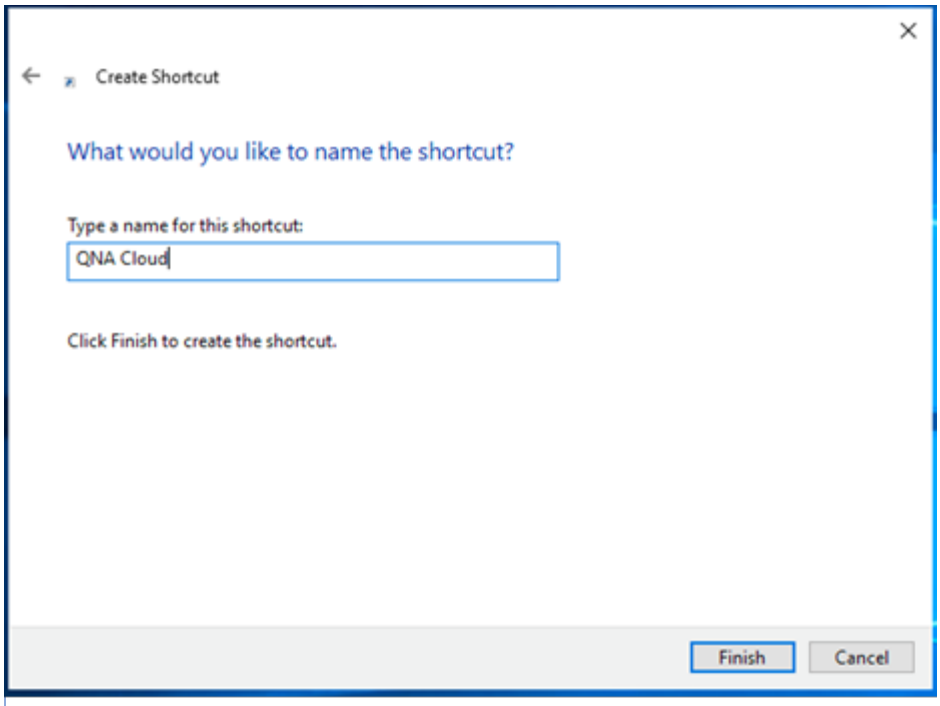
	SAP_SRQ	/M/srq.easi.utoronto.ca/S/3644/G/public SNC_PARTNERNAME="p:CN=srq.easi.utoronto.ca, OU=Unified Communications, OU=EASI, O=Governing Council of the University of Toronto, ST=255 Huron St., L=Toronto, SP=Ontario, postalCode=M5S 3J1, C=CA" SNC_QOP=8 /SUPPORTBIT_ON=NEED_STDDYNPRO
	SAP_SRR	/M/srr.easi.utoronto.ca/S/3642/G/public SNC_PARTNERNAME="p:CN=srr.easi.utoronto.ca, OU=Unified Communications, OU=EASI, O=Governing Council of the University of Toronto, ST=255 Huron St., L=Toronto, SP=Ontario, postalCode=M5S 3J1, C=CA" SNC_QOP=8 /SUPPORTBIT_ON=NEED_STDDYNPRO
	SAP_SRS	/M/srs.easi.utoronto.ca/S/3639/G/public SNC_PARTNERNAME="p:CN=srs.easi.utoronto.ca, OU=Unified Communications, OU=EASI, O=Governing Council of the University of Toronto, ST=255 Huron St., L=Toronto, SP=Ontario, postalCode=M5S 3J1, C=CA" SNC_QOP=8 /SUPPORTBIT_ON=NEED_STDDYNPRO
	SAP_TNG	/M/tng.easi.utoronto.ca/S/3610/G/public SNC_PARTNERNAME="p:CN=tng.easi.utoronto.ca, OU=Unified Communications, OU=EASI, O=Governing Council of the University of Toronto, ST=255 Huron St., L=Toronto, SP=Ontario, postalCode=M5S 3J1, C=CA" SNC_QOP=8 /SUPPORTBIT_ON=NEED_STDDYNPRO
Create a new Shortcut for the user (for example on the User's Desktop)	1. Right-click on the Desktop and Select New > Shortcut	



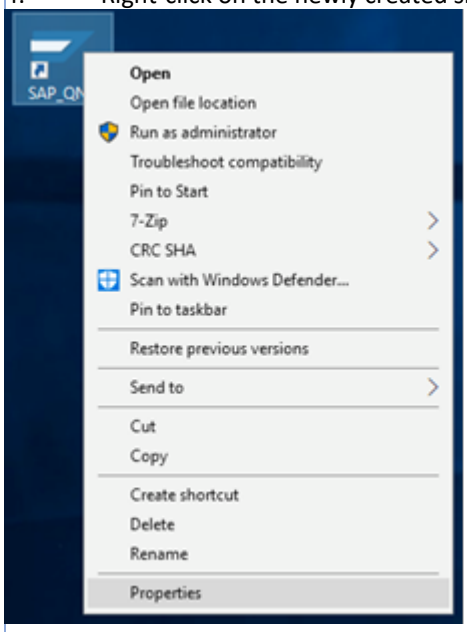
2. Paste the following into the “Location field (or navigate to the location of the SAPgui.exe program):
`"C:\Program Files (x86)\SAP\FrontEnd\SAPgui\SAPgui.exe”`



3. Pick a meaningful name for the shortcut (like QNA Cloud) and click Finish



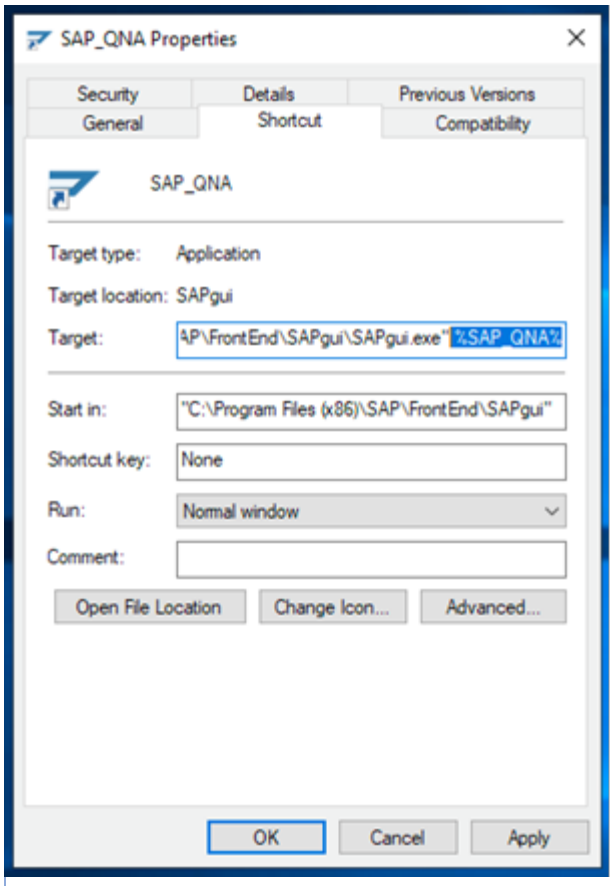
4. Right-click on the newly created shortcut and select Properties



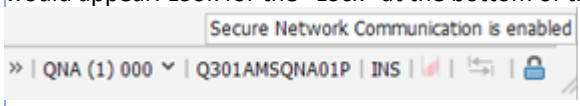
5. Append `<space>+ %SAP_QNA%` to the end of the “Target” field

For example:

```
"C:\Program Files (x86)\SAP\FrontEnd\SAPgui\SAPgui.exe”
%SAP_QNA%
```



6. Click Apply and the OK to close
7. When opening the shortcut, the SAP GUI Logon Screen with SNC enabled would appear. Look for the "Lock" at the bottom of the screen.

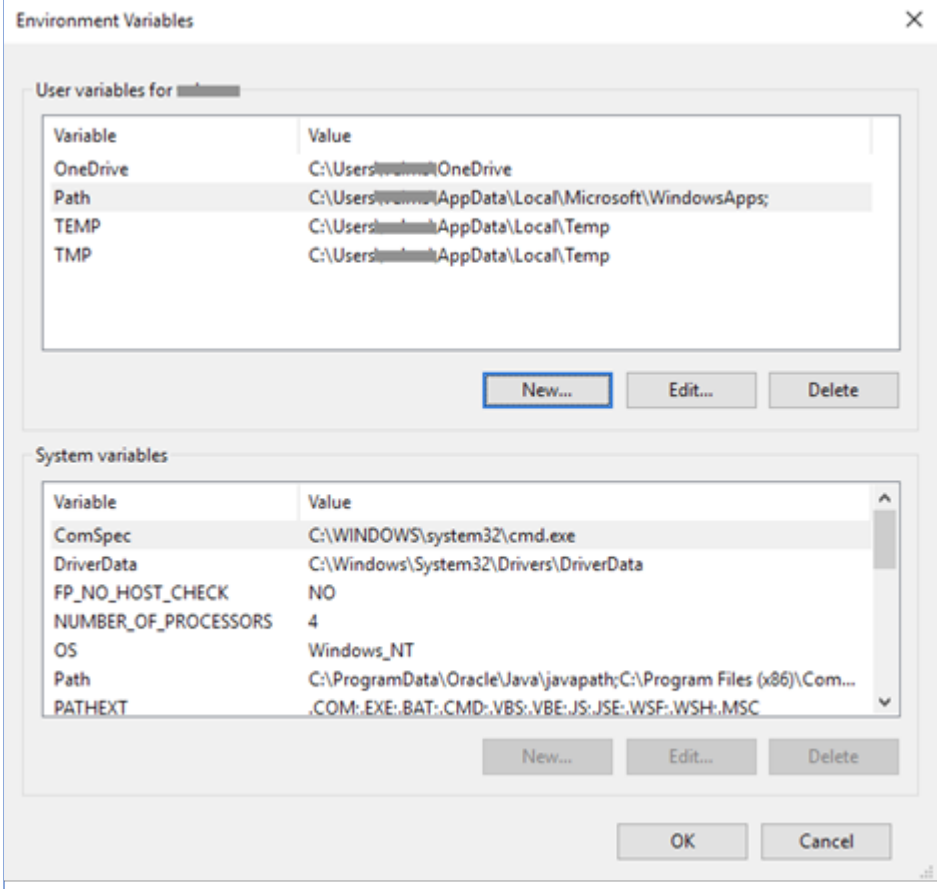


8. **Repeat steps 1-6** in this section for each SAP GUI Shortcut required

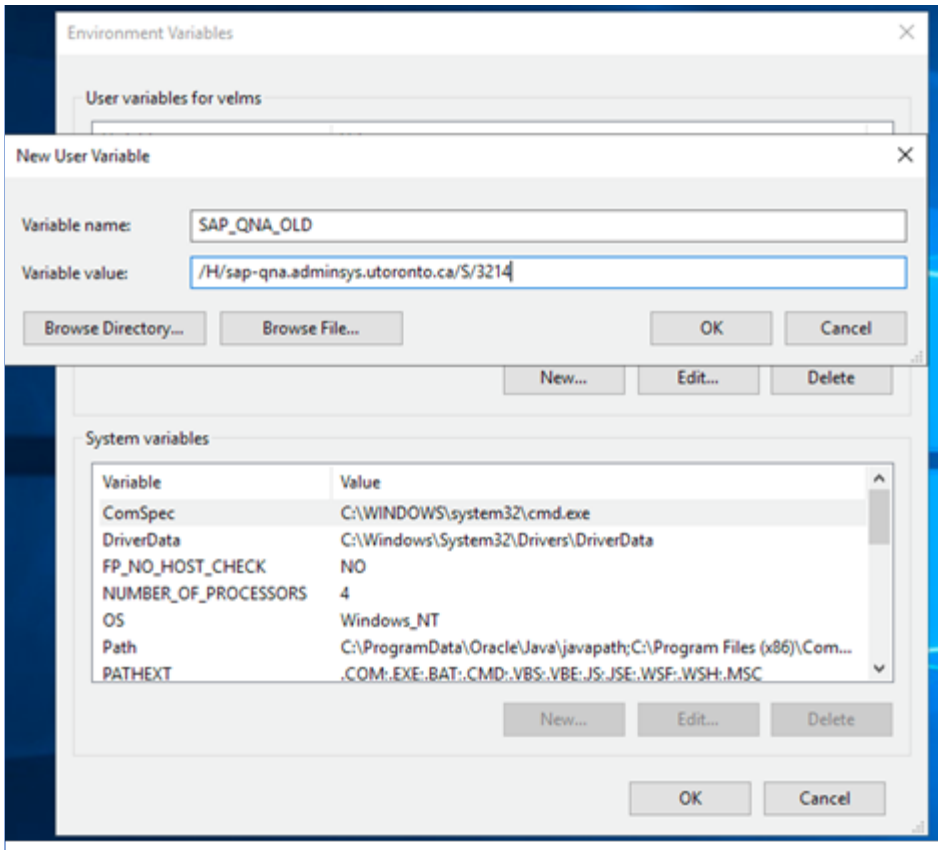
SAP GUI Shortcuts – SAP Systems on Premise	
List of required SAP GUI shortcuts – SAP on Prem Systems (current landscape)	- QNA - AMS - LRN - PBW - RTP - SRP - SRQ - SRR - SRS - TNG
Create Windows User Environment Variable	1. Open Start menu and search for Run (or use keyboard shortcut Windows key + R)

2. Put in the Open field: ***`rundll32 sysdm.cpl,EditEnvironmentVariables`*** and hit OK

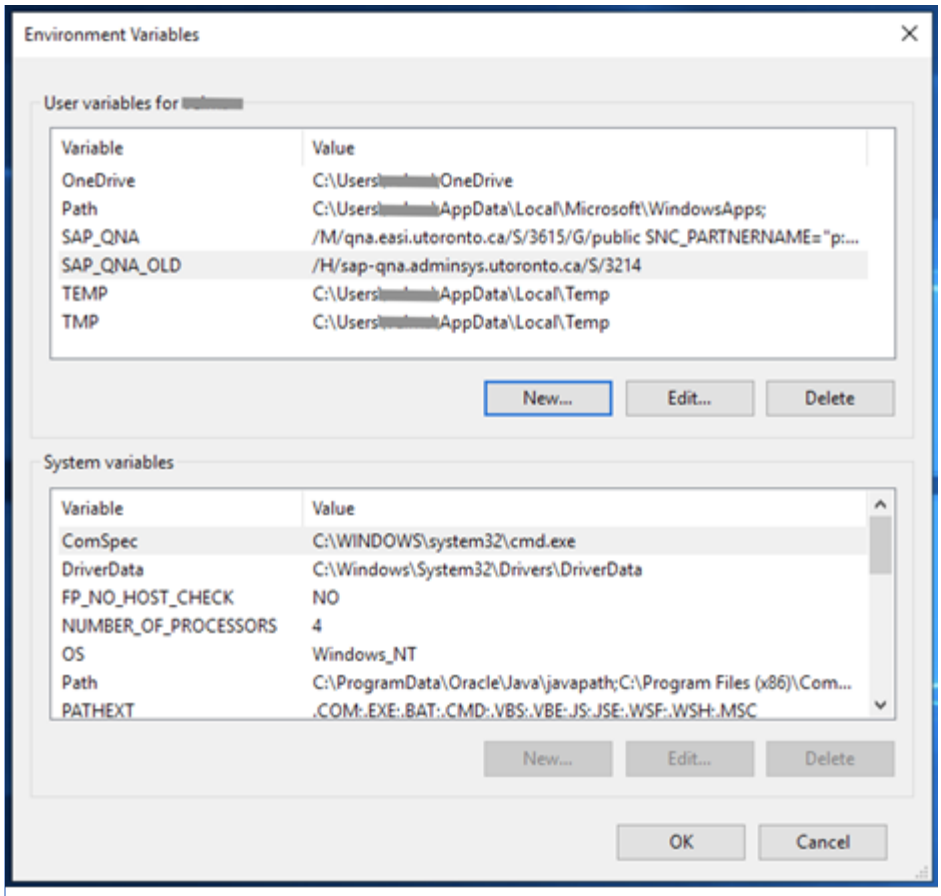
3. Create a new User Environment



4. Enter Variable Name and Value as follows (lists of all variables provided below)



5. The new variable is now created



6. **Repeat steps 1-5** for ALL SAP System variables in scope (see below)

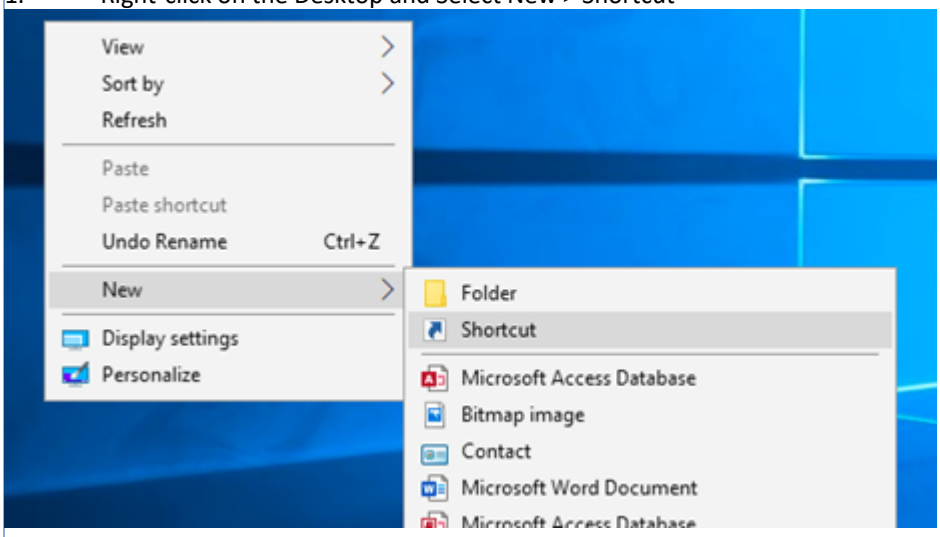
7. When ready, click OK

List of Environment Variables

Variable Name	**Variable Value**
SAP_QNA_OLD	/H/sap-qna.adminsys.utoronto.ca/S/3214
SAP_AMS_OLD	/H/sap-ams.adminsys.utoronto.ca/S/3205
SAP_LRN_OLD	/H/sap-lrn.adminsys.utoronto.ca/S/3211
SAP_PBW_OLD	/H/sap-pbw.adminsys.utoronto.ca/S/3208
SAP_RPT_OLD	/H/sap-rpt.adminsys.utoronto.ca/S/3210
SAP_SRP_OLD	/H/sap-srp.adminsys.utoronto.ca/S/3242
SAP_SRQ_OLD	/H/sap-srq.adminsys.utoronto.ca/S/3243
SAP_SRR_OLD	/H/sap-srr.adminsys.utoronto.ca/S/3241
SAP_SRS_OLD	/H/sap-srs.adminsys.utoronto.ca/S/3238
SAP_TNG_OLD	/H/sap-tng.adminsys.utoronto.ca/S/3209

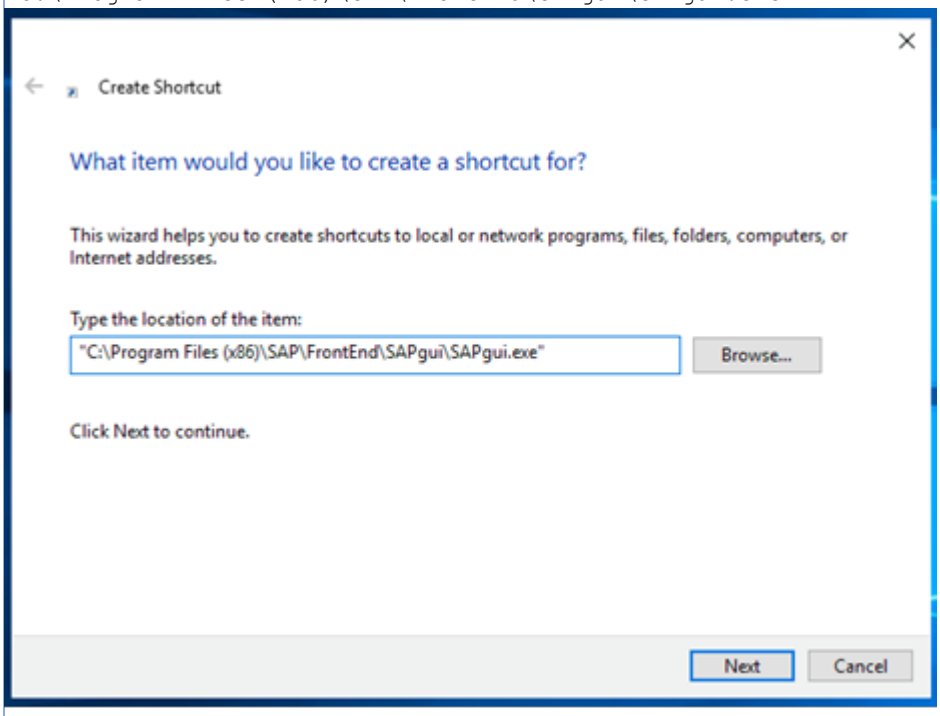
Create a new Shortcut for the user (for example on the User's Desktop)

1. Right-click on the Desktop and Select New > Shortcut

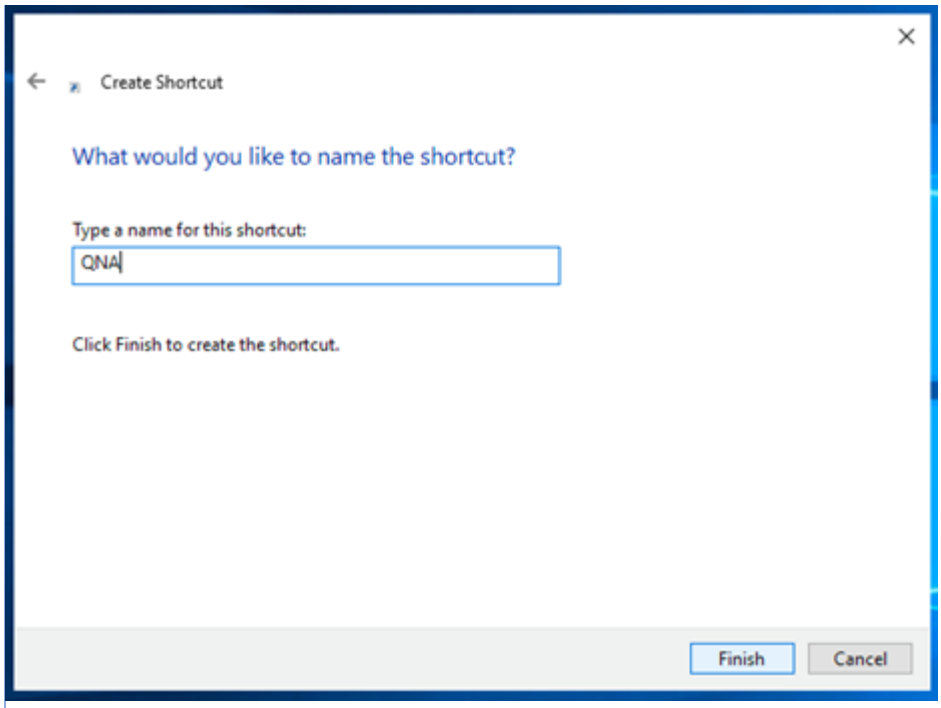


2. Paste the following into the "Location field (or navigate to the location of the SAPgui.exe program):

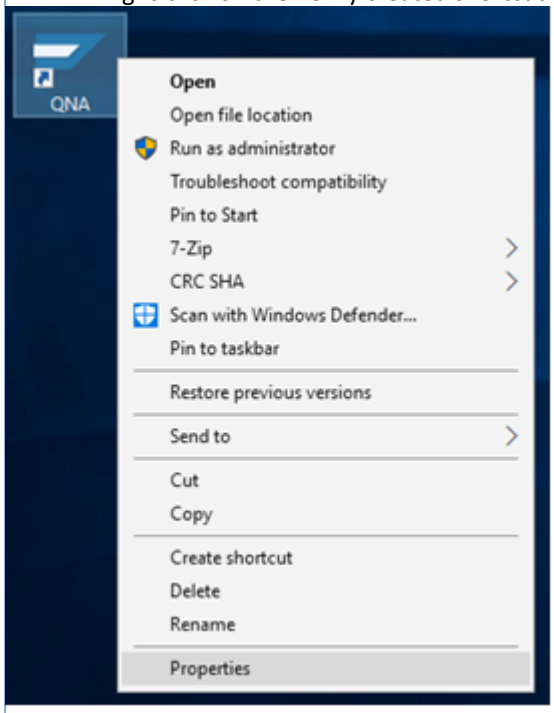
```
"C:\Program Files (x86)\SAP\FrontEnd\SAPgui\SAPgui.exe"
```



3. Pick a meaningful name for the shortcut (like QNA) and click Finish



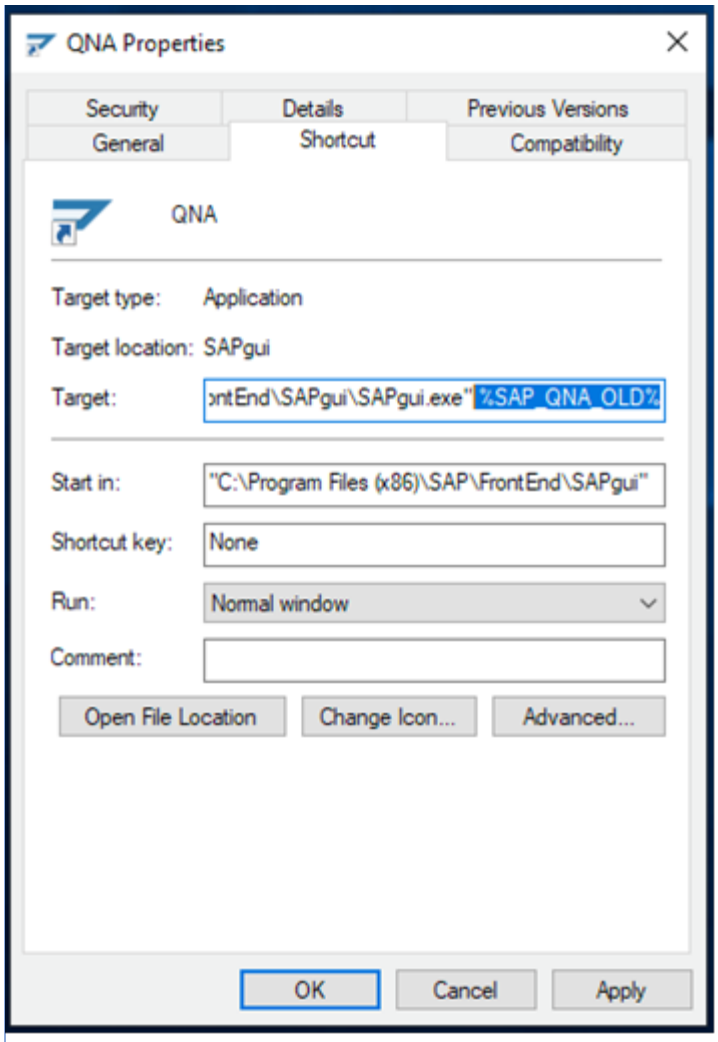
4. Right-click on the newly created shortcut and select Properties



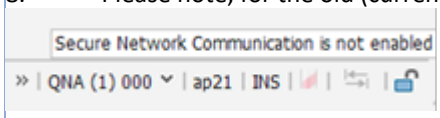
5. Append `<space>+ %SAP_QNA_OLD%` to the end of the “Target” field

For example:

```
"C:\Program Files (x86)\SAP\FrontEnd\SAPgui\SAPgui.exe”
%SAP_QNA_OLD%
```



6. Click Apply and the OK to close
7. When opening the shortcut, the SAP GUI Logon Screen will display
8. Please note, for the old (current) SAP Landscape, the SNC is not enabled



9. **Repeat steps 1-6** in this section for each SAP GUI Shortcut required