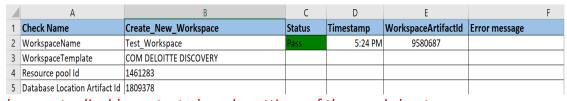# Installation of the tool on Virtual Machine

➢ The solution has been placed at pre-defined location on ED domain machines

➢ User can download the application on their respective remote machines

Input Sheet – Pre-requisites

➢ The downloaded application contains input file
"**Engineering_Automation_InputSheet_Latest.xls**".

➢ Information required for field creation should be provided in the Input Excel file before launching the Tool.

➢ Input file must be closed while the tool is processing the checks.

➢ The sheet has columns to provide insights of the field name, all required data for creating field.

Column "Notes" has been added, user can input the text in this column as per requirement in the input sheets.

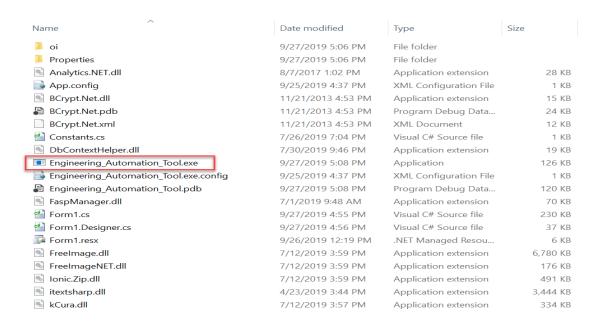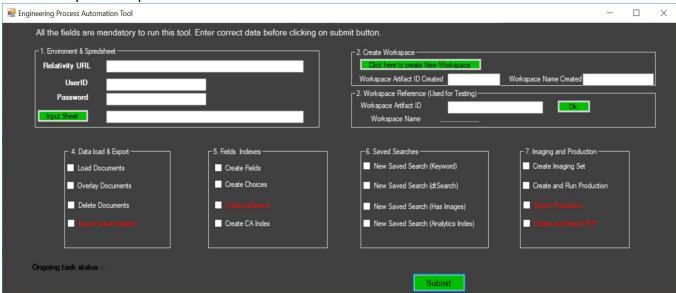|	A	B	C	D	E	F
1	Check Name	Create_New_Workspace	Status	Timestamp	WorkspaceArtifactId	Error message
2	WorkspaceName	Test_Workspace	Pass	5:24 PM	9580687	
3	WorkspaceTemplate	COM DELOITTE DISCOVERY				
4	Resource pool Id	1461283				
5	Database Location Artifact Id	1809378				

Make sure to disable protected mode settings of the excel sheet.

Execution of the Multi-Fields Automation solution

➢ The application folder contains all the relevant files.

Name	Date modified	Type	Size
oi	9/27/2019 5:06 PM	File folder	
Properties	9/27/2019 5:06 PM	File folder	
Analytics.NET.dll	8/7/2017 1:02 PM	Application extension	28 KB
App.config	9/25/2019 4:37 PM	XML Configuration File	1 KB
BCrypt.Net.dll	11/21/2013 4:53 PM	Application extension	15 KB
BCrypt.Net.pdb	11/21/2013 4:53 PM	Program Debug Data...	24 KB
BCrypt.Net.xml	11/21/2013 4:53 PM	XML Document	12 KB
Constants.cs	7/26/2019 7:04 PM	Visual C# Source file	1 KB
DbContextHelper.dll	7/30/2019 9:46 PM	Application extension	19 KB
Engineering_Automation_Tool.exe	9/27/2019 5:08 PM	Application	126 KB
Engineering_Automation_Tool.exe.config	9/25/2019 4:37 PM	XML Configuration File	1 KB
Engineering_Automation_Tool.pdb	9/27/2019 5:08 PM	Program Debug Data...	120 KB
FaspManager.dll	7/1/2019 9:48 AM	Application extension	70 KB
Form1.cs	9/27/2019 4:55 PM	Visual C# Source file	230 KB
Form1.Designer.cs	9/27/2019 4:56 PM	Visual C# Source file	37 KB
Form1.resx	9/26/2019 12:19 PM	.NET Managed Resou...	6 KB
FreeImage.dll	7/12/2019 3:59 PM	Application extension	6,780 KB
FreeImageNET.dll	7/12/2019 3:59 PM	Application extension	176 KB
Ionic.Zip.dll	7/12/2019 3:59 PM	Application extension	491 KB
itextsharp.dll	4/23/2019 3:44 PM	Application extension	3,444 KB
kCura.dll	7/12/2019 3:57 PM	Application extension	334 KB

➢ Click on "**Engineering_Automation_Tool.exe**" to launch the application

➤ The window Form UI will appear as below. Enter appropriate Relativity URL, credentials and choose the path of input file.

➤ Enter the credentials, workspace Id, relativity URL, input sheet path to start execution.

➤ The execution will automatically start once the user hits "Submit" button.

➤ Once the execution is complete, console window will show the status of execution

Engineering Process Automation Results

➢ Execution results will get updated in the same input sheet uploaded by user.

➢ Each field with status as either PASS or FAIL in highlighted in Green or Red color respectively as shown below.

➢ In few scenarios, when data is required to be provided by user in input sheet, Error message would be displayed.

For Example: "Manual intervention: Please create it manually as per the requirements as for the field type: 'Fixed-Length Text' && get field is relational is 'YES'

	Object Type	Name	Field Type	IS Required	Include in Text Index	Unicode	Is Relational	Friendly name	Associated Object type	Notes	Status	Timestamp	Error message
2	Document	New Field31	Yes/No	No	No	Yes	No			Creating new field on 10th Jan 2019	PASS, field created	11:41 AM	
3	Document	New Field32	Yes/No	No	No	Yes	No			Creating new field on 10th Jan 2019	PASS, field created	11:44 AM	
4	Document	New Field38	Fixed-Length Text	No	No	Yes	No			Creating new field on 10th Jan 2019	PASS, field created	12:02 PM	
5	Document	New Field39	Fixed-Length Text	No	No	Yes	Yes			Creating new field on 10th Jan 2019	Fail	12:03 PM	Manual intervention : Please create it manually as per the requirements as for the field type : 'Fixed-Length Text' && get field is relational is 'YES'

Post enhancements addition, the results would look like below screenshot:

- Workspace ID will be updated in the last column.

S.No	Object Type	Name	Field Type	IS Required	Include in Text Index	Unicode	Is Relational	Friendly name	Associated Object type	Notes	Status	Timestamp	Error message	Workspace Name
1	Document	New Field31	Yes/No	No	No	Yes	No			Creating new field on 10th Jan 2019	PASS, field	11:41 AM		WR225096_Regression_Testing_Edited
2	Document	New Field32	Yes/No	No	No	Yes	No			Creating new field on 10th Jan 2019	PASS, field	11:44 AM		WR225096_Regression_Testing_Edited
3	Document	New Field34	Single Object	No	No	Yes	No		Build	Creating new field on 10th Jan 2019	PASS, field	11:47 AM		WR225096_Regression_Testing_Edited

Make sure to Log off the system once you are done with execution, so that no temp files for excel exists, hampering the execution of the tool.