**Technical Design Document**

**Core Infra CPU Monitoring**

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# **1 Introduction**

Blank Process

# **2 Purpose of this document**

This is a Technical Design Document that explains the technical aspects of the robot designed and developed using UiPath in detail. This will give an overview of the design of the bot and can be used by developers or other stakeholders to understand the prerequisites and requirements to execute the bot successfully.

# **3 Scope**

**The scope of this document includes:**

• Environment Specification  
• System Requirements  
• Prerequisites  
• UiPath Enterprise  
• File Folder Structure  
• Robot Design  
• Issues and Risks

**The scope of this document does not include:**

• Availability of Systems  
• System Changes  
• Changes to Input Files or Data Format  
• Process Changes

*Note – this is a Technical Design Document which only covers the technical aspects. Please refer to the Business Requirements Document for any other information about business processes*

# **4 System Requirements**

The Developer System (specifications below) was used to develop this Technical Design Document. It is important to note that the system the robot is migrated to should also have similar specifications to ensure a proper functioning of the robot.  
The system specifications for Core Infra CPU Monitoring process:

|  |  |
| --- | --- |
| **Operating System** |  |
| **Processor** |  |
| **RAM** |  |
| **Hard Disk** |  |
| **Components** |  |

# **5 Prerequisites**

The prerequisites for the robot to successfully run are as follows:

a. The following applications are installed in the system:  
 • UiPath 22.4.3.0  
b. The system has a valid studio and back office robot licence for UiPath  
c. Robot has access to all required applications  
d. Files are located in the system following the File Structure indicated below (Section 7).

# **6 UiPath Enterprise**

UiPath version 22.4.3.0 is the software used for developing the Technical Design Document.

# **7 File/Folder Structure**

**• Temporary Folder:**

Path at which all the temporary files are stored.

**• Input Folder:**

Path at which all the input files are stored.

**• Output Folder:**

Path at which all the output files are stored.

**• Code Repository**

Path at UiPath process workflows are be stored.

**• Config File Path**

Path at config files are be stored.

|  |  |
| --- | --- |
| File/Folder | File/Folder Location |
| Temporary Folder |  |
| Input Folder |  |
| Output Folder |  |
| Code Repository |  |
| Config File Path |  |

# **8 Bot Design**

8.1 Browser\_Inside\_Working.xaml

***Location: \Browser\_Inside\_Working.xaml***

***Parameters:***

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| Arg\_Status | InOutArgument(x:Boolean) |  |

8.2 Kill.xaml

***Location: \Kill.xaml***

8.3 Login.xaml

***Location: \Login.xaml***

***Parameters:***

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| Arg\_Status | InOutArgument(x:Boolean) |  |

8.4 log\_out.xaml

***Location: \log\_out.xaml***

8.5 Mail.xaml

Image convert to Base 64  
1 Base 64 convert to image file

***Location: \Mail.xaml***

***Parameters:***

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| Arg\_Status | InOutArgument(x:Boolean) |  |

8.6 Main.xaml

***Location: \Main.xaml***

***Parameters:***

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| Proceed | InOutArgument(x:Boolean) |  |
| Folder\_Path | InOutArgument(x:String) |  |
| Out\_Config | InOutArgument(scg:Dictionary(x:String, x:Object)) |  |

8.7 InitAllSettings.xaml

Init All Settings   
  
Read the Config file  
1 Folder Path  
2 Assign the log dates and log paths  
3 Create a Dictionary   
  
Key and Value  
4 Read the Config excel Sheet  
5 Read The all sheet   
  
Settings  
Constant  
Asset  
6 Remove the Null Value and white spaces

***Location: \Intsetting\InitAllSettings.xaml***

***Parameters:***

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| Out\_Config | InOutArgument(scg:Dictionary(x:String, x:Object)) |  |
| in\_ConfigSheets | InArgument(x:String) |  |
| in\_ConfigFile | InArgument(x:String) |  |
| Arg\_Status | InOutArgument(x:Boolean) |  |
| Folder\_Path | InOutArgument(x:String) |  |

8.8 Excel\_Report.xaml

***Location: \Other Docs\Excel\_Report.xaml***

8.9 Test.xaml

***Location: \Other Docs\Test.xaml***

8.10 test1.xaml

***Location: \Other Docs\test1.xaml***

8.11 testnew.xaml

***Location: \Other Docs\testnew(Autosaved).xaml***

8.12 testnew.xaml

***Location: \Other Docs\testnew.xaml***

8.13 Read\_Excel\_Sheet.xaml

Reading The input from excel sheet

***Location: \Read excel\Read Excel Sheet.xaml***

***Parameters:***

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| out\_DataTable | OutArgument(sd:DataTable) |  |
| in\_AddHeaders | InArgument(x:Boolean) |  |
| in\_WorkbookPath | InArgument(x:String) |  |
| in\_SheetName | InArgument(x:String) |  |
| in\_CellAddress | InArgument(x:String) |  |

# **9 Workflows**

|  |  |  |
| --- | --- | --- |
| Name | Invoked Workflow | Invoked In |
| \Browser\_Inside\_Working.xaml |  | •Main.xaml |
| \Kill.xaml |  |  |
| \Login.xaml |  | •Main.xaml |
| \log\_out.xaml |  |  |
| \Mail.xaml |  | •Main.xaml |
| \Main.xaml | •Intsetting\InitAllSettings.xaml •Login.xaml •Browser\_Inside\_Working.xaml •Mail.xaml |  |
| \Intsetting\InitAllSettings.xaml | •Read excel\Read Excel Sheet.xaml | •Main.xaml |
| \Other Docs\Excel\_Report.xaml |  |  |
| \Other Docs\Test.xaml |  |  |
| \Other Docs\test1.xaml |  |  |
| \Other Docs\testnew(Autosaved).xaml |  |  |
| \Other Docs\testnew.xaml |  |  |
| \Read excel\Read Excel Sheet.xaml |  | •Intsetting\InitAllSettings.xaml |

# **10 Dependencies**

• UiPath.Excel.Activities: [2.12.3]  
• UiPath.Mail.Activities: [1.15.2]  
• UiPath.System.Activities: [22.4.1]  
• UiPath.UIAutomation.Activities: [22.4.5]  
• UiPathTeam.Documents.TDDGenerator: [1.4.7221.18964]  
• UiPathTeam.ExcelSheetToImage.Activities: [1.0.0.4]

# **11 Issues and Risks**

Below are the issues and risks identified during development and testing