PRISM
Performance RIsk Scoring Module

User Guide version 3.0

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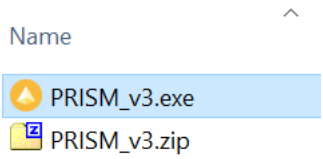
PRISM Version 3.0

Introduction

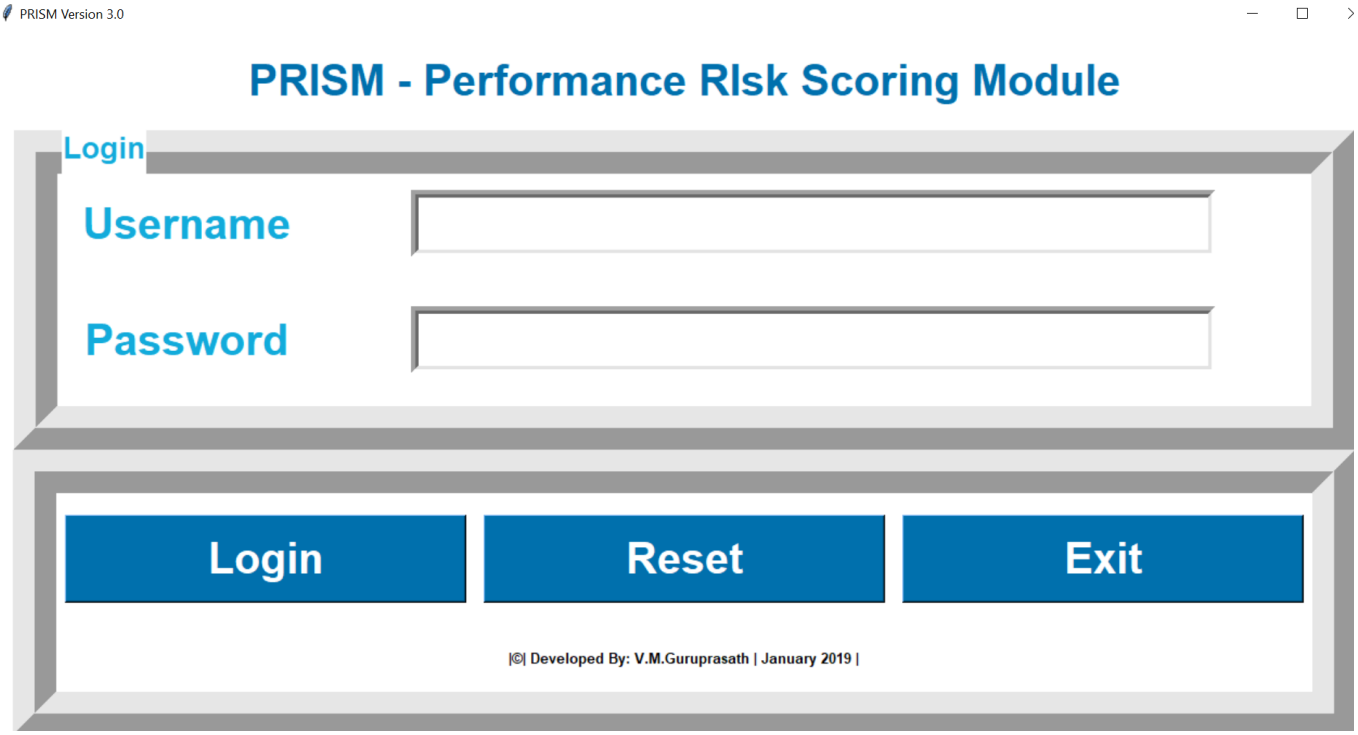
Performance RIsk Scoring Module, is a Python based standalone application. The purpose of this tool is to calculate the Performance Risk Score based on the answers to a set of pre-defined standard questionnaire.

Steps to Open the Tool

1. Download PRISM_v3.zip from the Capgemini Knowledge Management Portal: https://km3.capgemini.com/asset/1094475 to a local folder on your computer
2. Unzip the file
3. Identify PRISM_v3.exe from the extract and double click on the executable.



Login Screen



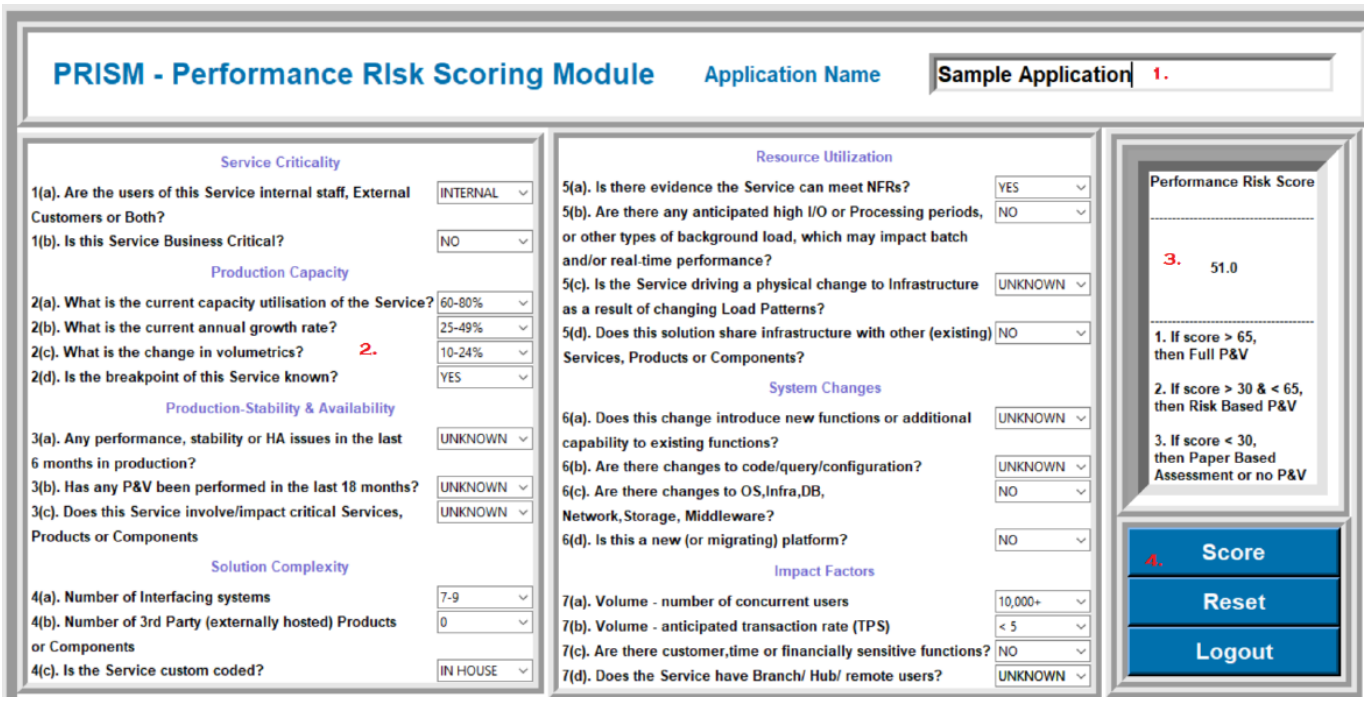
The login screen helps users to access the module.

Enter **Username** as "*Capgemini*" and **Password** as "*123456*" and click on Login Button to enter the module.

If for some reason the user wishes to change the value entered, the Reset button would help to reset the data entered.

For exiting the module, kindly click on the Exit button.

Scoring Screen



The scoring screen has 4 sections, they are as follows:

1. **Application Name section:**

   This section is to enter the Name of the application for which the Performance Risk Score is calculated

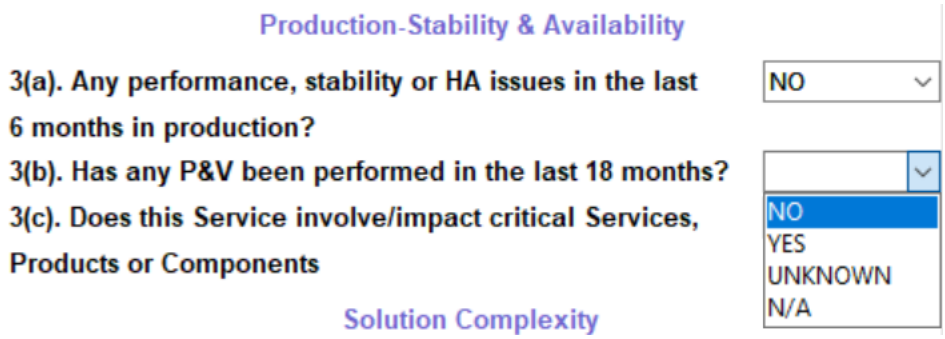
2. **Questionnaire section:**

   This section consists of 24 pre-defined questions across 7 key application performance impacting areas namely :

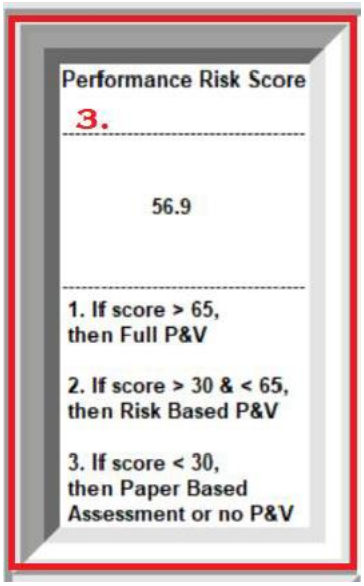
   a. Service Criticality
   b. Production Capacity
   c. Production Stability and Availability
   d. Solution Complexity
   e. Resource Utilization
   f. System Changes and
   g. Impact Factors

   Like the prism in real world which disperses light into 7 diffèrent colors, our PRSIM tool disperses our performance test risk identifying questions into 7 impacting areas to help us identify the Performance Risk Score.

   Here the user can choose appropriate answer from the drop down based on the Application Under Test for all 24 questions and click on the « Score » button



3. Score Section:



This is the important part of the tool.

On clicking on the « Score » button after answering all questions, the tool reads the answers to the questions and assigns a risk score to the answers accordingly. Based on the individual score that is assigned to the answers, the tool then computes the final consolidated overall score for the Application Under Test.

The Performance Risk Score indicates the following :

a. **If the score is 65 and above:** A High-Performance Risk that warrants a Full Performance and Volume (P&V) testing. Full P&V includes but not limited to, 2 rounds of Load Test, 2 rounds of Stress test and 2 rounds of Endurance test with post tuning test exécution runs, Smoke tests and Baseline tests (Can be defined as per the individual Project/Program standards)

b. **If the score is 30 and less than 65:** A Medium Performance Risk that qualifies for Risk Based Performance and Volume (P&V) testing. A Risk Based P&V may include 1 round

of Load, Stress and Endurance test or 2 Rounds of Load Test alone or Load and Endurance test, or different permutation and combinations as per the Project needs

c. **If the score is less than 30 :** A Low Performance Risk that qualifies for Paper Based Assessment (PBA) or No Performance & Volume (P&V) testing.

The scores have been categorized based on the different permutation and combinations executed with the tool, however the final call on the application performance risk and category will always be decided by the respective Performance Test Manager/Lead of the project.

4. Buttons section:

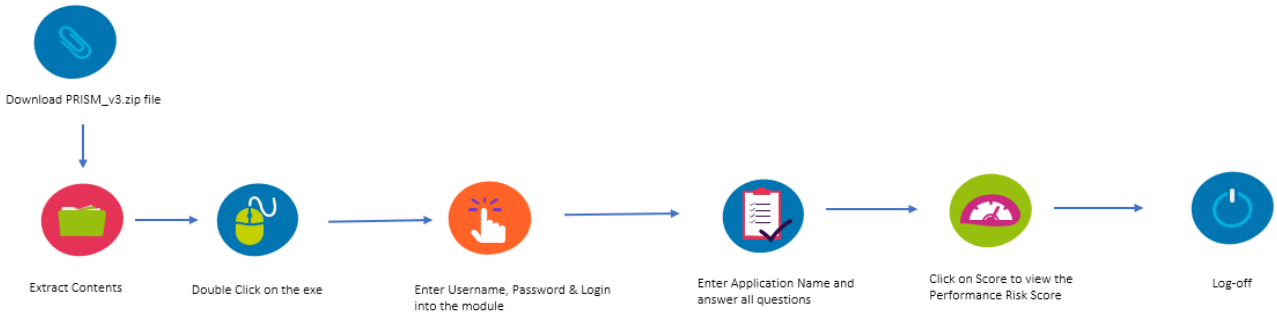
The buttons section consists of 3 buttons namely

a. **Score:** Clicking on this button triggers the Calculation Engine and displays the Performance Risk Score in the « Score Section »

b. **Reset:** Clicking on this button help to reset the final score in the « Score Section », enabling users to change any answer/s in the questionnaire and re-**Score**

c. **Logout:** Clicking on this button help us to log out from the application.

PRISM Workflow



The aim of the tool is to help and guide us. As we all know, no tool can replace the experience of a seasoned Performance Engineer/ Lead/ Manager.

Hope this tool is helpful.

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