Application Testing Report

*Detailed test cases and results*

This document provides comprehensive testing details of our application, including objectives, execution steps, expected versus actual outcomes, and associated comments for each test.

# Application Details

* **Application Name:** SoftwareHelperTool (SHT)
* **Version:**
* **Test Date:**
* **Tested By:**
* **Platform:** Windows / Linux
* **Environment:** Testing / Staging / Production
* **Source component:**
* **Additional Notes:** The test is performed on virtual servers that sit on a physical machine on the classified network. Access to the machine 100.100.100.10.
* **Participants:** BMC01, ICS01, DB01, Client01

# 1. App content

Checking whether all application content exists, including installation content.

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| --- | --- | --- | --- | --- | --- | --- |
| **Test ID** | **Test Name/Description** | **Steps to Execute** | **Expected Result** | **Actual Result** | **Pass/Fail** | **Comments** |
| 1.1 | SoftwareHelpertTool.exe | Visual inspection | Exists |  |  |  |
| 1.2 | Function.py | Visual inspection | Exists |  |  |  |
| 1.3 | Config folder | Visual inspection | Exists |  |  |  |
| 1.4 | Scripts folder | Visual inspection | Exists |  |  |  |
| 1.5 | Tools folder | Visual inspection | Exists |  |  |  |

# 2. Password authentication check

Checking access to the application using a password.

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| **Test ID** | **Test Name/Description** | **Steps to Execute** | **Expected Result** | **Actual Result** | **Pass/Fail** | **Comments** |
| 2.1 | Enter password information | Success pop-up |  |  |  | Temporary password: Q1w2e3r4 |

# 3. Installing dependencies before Database deployment

Installing all dependencies required on the source server for remote database deployment.

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| **Test ID** | **Test Name/Description** | **Steps to Execute** | **Expected Result** | **Actual Result** | **Pass/Fail** | **Comments** |
| 3.1 | Install add\_sysinternals\_to\_path.bat | Click add\_sysinternals button | Successfully added paths |  |  |  |
| 3.2 | Install msodbcsql | Click Install msodbcsql button | msodbcsql is installed |  |  |  |
| 3.3 | Install MsSqlCmdLnUtils | Click Install MsSqlCmdLnUtils  button | MsSqlCmdLnUtils  is installed |  |  |  |

# 4. App installation part I

Feasibility checks before installation.

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| **Test ID** | **Test Name/Description** | **Steps to Execute** | **Expected Result** | **Actual Result** | **Pass/Fail** | **Comments** |
| 4.1 | Communication test | Click Communication button | Green indicator |  |  |  |
| 4.2 | Permission test | Click Permission button | Green indicator |  |  |  |
| 4.3 | Disk volume test | Click Disk volume button | Green indicator |  |  |  |
| 4.4 | Get version test | Click Get version button | Green indicator with current version |  |  |  |

# 5. App installation part II

Installing an operational application.

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| **Test ID** | **Test Name/Description** | **Steps to Execute** | **Expected Result** | **Actual Result** | **Pass/Fail** | **Comments** |
| 5.1 | Install App | Click Install App button | Success pop-up |  |  |  |
| 5.2 | Progress bar | Visual check | Green line until 100% |  |  |  |
| 5.3 | Get Version | Click Get version button | Green indicator with new version |  |  |  |

# 6. Database deployment - Operational

Database deployment in Operational mode

**Remote server:** DB01

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| **Test ID** | **Test Name/Description** | **Steps to Execute** | **Expected Result** | **Actual Result** | **Pass/Fail** | **Comments** |
| 6.1 | Create Tables | Click Create Tables button | Success pop-up & check SQL tables |  |  |  |
| 6.2 | Import Tables | Click Import Tables button | Success pop-up & check SQL tables contents |  |  |  |
| 6.3 | Adding Launchers | Click Adding Launchers button | Success pop-up & check SQL tables contents |  |  |  |
| 6.4 | Delete Tables | Click Delete Tables button | Success pop-up & check SQL tables |  |  |  |

# 7. Database deployment - Training

Database deployment in Training mode.

**Remote server:** DB01

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| **Test ID** | **Test Name/Description** | **Steps to Execute** | **Expected Result** | **Actual Result** | **Pass/Fail** | **Comments** |
| 7.1 | Create Tables | Click Create Tables button | Success pop-up & check SQL tables |  |  |  |
| 7.2 | Import Tables | Click Import Tables button | Success pop-up & check SQL tables contents |  |  |  |
| 7.3 | Adding Launchers | Click Adding Launchers button | Success pop-up & check SQL tables contents |  |  |  |
| 7.4 | Delete Tables | Click Delete Tables button | Success pop-up & check SQL tables |  |  |  |

# 8. Wireshark

Installing Wireshark portable including Npcap and open with the SHT

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| **Test ID** | **Test Name/Description** | **Steps to Execute** | **Expected Result** | **Actual Result** | **Pass/Fail** | **Comments** |
| 8.1 | Install Wireshark | Click Install Wireshark button | Success pop-up & Wireshark will be in C Drive |  |  |  |
| 8.2 | Install Npcap | Click Install Npcap button and install | Success pop-up & check if Npcap exist in appwiz.cpl |  |  |  |
| 8.3 | Open Wireshark | Click Open Wireshark  button | Open Wireshark  software |  |  |  |
| 8.4 | Delete Tables | Click Delete Tables button | Success pop-up & check SQL tables |  |  |  |

# 9. Tool opening test

Checking whether tools open properly.

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| **Test ID** | **Test Name/Description** | **Steps to Execute** | **Expected Result** | **Actual Result** | **Pass/Fail** | **Comments** |
| 9.1 | Ping Monitor | Click Ping Monitor button | Window opened successfully |  |  |  |
| 9.2 | ILSpy | Click ILSpy button | ILSpy opened successfully |  |  |  |
| 9.3 | FinishScript | Click FinishScript  button | FinishScript opened successfully |  |  |  |
| 9.4 | Utilities | Click Utilities button | Utilities opened successfully |  |  |  |

# Document Version History

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Description of Changes** |
| 1.0 | 19/03/25 | Ben Eytan | Initial creation of the document |

# Approval Section

This document has been reviewed and approved by the responsible personnel. By signing below, you acknowledge that the tests have been executed according to the described procedures and standards, and the results accurately reflect the current state of the application.

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| Tester Name: |  |
| Signature: |  |
| Date: |  |

Comments:

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