

Action Plan: TheHackettAgent MVP

TheHackettAgent Project 2022

Machine Report

Vulnerability Report – PORTs - Connections

Vulnerability Report – SQl Common Scripts

History Report – SQL History by YEAR

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# Document Purpose

The main purpose of this document is to provide all the steps required to perform the following activity:

Automated Vulnerability Report

and the environments related activities.

This activity is included in tickets # CS0015XXX of the DMS ServiceNow.

LINK: <https://thehackettgroup.service-now.com/>XXXXXXXXXXXXXXX

The below sections will be included with the corresponding details to accomplish the objectives that were planned.

## Version History

|  |  |  |
| --- | --- | --- |
| ***Date*** | ***Modification*** | ***Author*** |
| **01/06/2022** | Document creation | René Silva |
| **xx/06/2022** | Document Validation | xxx xxx |
|  |  |  |

# Communication Plan

## Communication Method

All communications during the execution of the Action Plan will be sent through ticket # CS0015XXXof the DMS ServiceNow.

## Update Frequency

The ticket will be updated every time specific steps are completed.

# Pre-Requisites

This section will include all tasks that must be executed before the main activity.

|  |  |  |  |
| --- | --- | --- | --- |
| ***Task*** | ***Description*** | ***Estimated Time*** | ***Responsible*** |
| **Task 1**  **Database**  **SQL2019** | Install database engine  On this engine Will be created the database **MVP\_database,** with the minimal things to this MVP  This task can be avoid if we can reuse any existing machine with a installed database engine and the database can be created on that machine, with **20GB** FIXED SPACE  TASK\_1\_SETUP\_SQL\_ENGINE   * OBTAIN MACHINE * OBTAIN INSTALLATION FILES TO THE TARGET MACHINE: * Obtain LICENCES/SERIALS/ISOs/Installation Files of the SQL 2019 * INSTALL SOFTWARE: * sql\_engine, SQLEXPRESS * sql\_agent,REQUIRE STANDAR * sql\_integration\_services, REQUIRE STANDAR * sql\_reportingservices REQUIRE STANDAR   COPY THE INSTALLATION FILES TO THE TARGET\_MACHINE  **20GB** OF SPACE CAN BE ENOUGH IN THIS STARTING MVP VERSION  FOLLOW THE INSTALLATION DOCUMENT OF BEST PRACTICES | 4 Hours  NOT\_EXECUTED | THG |
| **Task 2**  **Install Webserver**  **MVP** | Install LARAGON webserver, as a MVP server (lite APACHE)  This server was chosen because this is a minimal implementation  TASK\_2\_SETUP\_WEBSERVER  Pre-Requisites:at:  Install LARAGON PORTABLE  C:/HackettAgent/Prerequisites/LARAGON\_PORTABLE  Uncompress on C:/LARAGON\_PORTABLE/ | 2 Hours  NOT\_EXECUTED | THG |
| **Task 3**  **Enabling**  **API REST**  **And Install Python** | Install API REST SOFTWARE  TASK\_3\_SETUP\_API\_REST  Install the software to process the customer requests.  Create the database – **MVP\_database** on the SQL Engine  This STEP software will create-an API REST to process the automated requirements.  CREATE DATABASE:  Execute Scripts at:  C:/HackettAgent/Scripts/CREATE\_DATABASE.sql  Install GLPI on LARAGON:  C:/HackettAgent/Prerequisites/LARAGON\_PORTABLE  Install GLPI:  Copy:  C:/HackettAgent/Prerequisites/GLPI\_versionxxx.zip  And uncompress on the PUBLIC\_HTML\_FOLDER on the WEBSERVER, near: C:/LARAGON\_PORTABLE/public\_html  Install Python: 3.9 | 2  NOT\_EXECUTED | THG |
| **Total** | Total estimated time needed for the execution of the Pre-Requisite tasks. | 8 Hours of previous Installation Tasks |

# Main Steps

Included in the following table are all the main steps to be performed during the activity’s execution, providing details such as estimated time to accomplish each task, dependency on other teams to be aware and coordinate properly, and the owner of the task, thus aligning all each stakeholder with their corresponding responsibilities.

| ***Step*** | ***Description*** | ***Estimated time*** | ***Responsible*** |
| --- | --- | --- | --- |
| **Step 1** | DATABASE   * Design tables 2h * Populate master tables 2h * Create procedure to store vulnerabilities 6h * TEST AND FIX 2h | 12 Hours | René Silva |
| **Step 2** | Configure WebServer | 4 Hours  NOT\_EXECUTED | René Silva |
| **Step 3** | Configure GLPI – Create Users and Entities (Customers)  Create some entity like **BROOKFIELD** or **CUSHWAKE** | 4 Hours  NOT\_EXECUTED | René Silva |
| **Step 4** | Python Development   * Create class diagram with the entities involved 8h * Vulnerability report at Windows Operative System 8h * Vulnerability SQL report Exported as JSON- PDF result 8h * Vulnerability PORT report Exported as JSON- PDF result 8h * History Report Exported as JSON- PDF result 16h | 60 Hours | René Silva |
| **Step 5** | Test and generate local RESULTS against the SERVER\_LIST | Machine Hours |  |
| **Total** | Total estimated time needed for the execution of the Main Steps tasks. | 80 Hours |

# Validation Process

The following validation steps will be executed to determine if the activity has accomplished its original purpose or not, and to confirm that the products and the environments affected during the activity are working as expected.

Listed below are all the steps that will be part of the Activity Validation Process:

|  |  |  |  |
| --- | --- | --- | --- |
| ***Step*** | ***Description*** | ***Estimated time*** | ***Responsible*** |
| **Step 1** | Validation of Database engine, SQL Agent, and TheHackettAgent is working | 40 min | THG |
| **Step 2** | Set Previous Data / Parameters Validation:  Process Execution – Call to The HackettAgent  Validate results JSON and PDF  Validate results on Database Tables  EXECUTE SCRIPT: **VALIDATION\_SCRIPT.sql** | 40 min | THG |
| **Step 3** | Validation of the entire report | 40 minutes | THG |
| **Total** | Total estimated time needed for the execution of the Validation Process tasks. | 2 hour |  |

# Estimated Times

On this table, you can find the summarized information of the estimated times for the following sections: Pre-Requisites, Main Steps, Validation Process, Roll Back Plan and Post Activity Steps.

|  |  |  |
| --- | --- | --- |
| ***Section Number*** | ***Section Name*** | ***Estimated time*** |
| **Section 3** | Pre-Requisites | 8 Hours |
| **Section 4** | Main Steps | 60 Hours |
| **Section 5** | Validation Process | 2 Hour |
| **Total with Test** | Total estimated time needed for the execution of all the activity including the Test. | 80 Hours |