

INT301 PROJECT REPORT

BELARC ADVISOR **ANALYSIS TOOL**

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Chapter-1

1.1 INTRODUCTION:

Belarc Advisor is a free tool that provides a comprehensive analysis of a computer's hardware and software configuration. The tool generates a detailed report that includes information on the operating system, processor, memory, hard drives, network adapters, installed software, and security patches. Belarc Advisor is often used by IT professionals and home users alike to keep track of their computer's performance and to identify any potential issues. The tool is easy to use and can be downloaded from the Belarc website.

1.1 Objective of the Project

Belarc Advisor is a powerful system analysis tool that can provide valuable information about the hardware and software installed on your Windows operating system. One of the key features of this tool is its ability to identify missing security updates and patches that are necessary to protect your system from potential threats and vulnerabilities.

To use Belarc Advisor to list all the security updates missing in your Windows OS, you will first need to download and install the tool on your system.



Fig: 1.1 – BELARC ADVISOR

1.2 Description of the Project

To generate a report of the security updates missing in your Windows OS, simply download and install Belarc Advisor on your computer, and then run the program. To get a list of free system information about the hardware and software installed on your computer, simply run Belarc Advisor and generate a report. The report will include details such as the processor type and speed, the amount of RAM installed, the type of hard drive, and the version of Windows installed. It will also provide a list of all the software applications installed on your computer, along with their version numbers and license keys (if available).

1.3 Scope of the Project

The scope of this project is to demonstrate the use of Network Miner in detecting the operating system, sessions, and open ports through packet sniffing. We will analyse the captured network traffic and investigate any potential security threats or vulnerabilities. The project does not include any remedial actions for identified vulnerabilities.

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2 System Description

2.1 Target System Description

The target system for this task is a Windows computer that is currently in use. The purpose is to use Belarc Advisor, a free system information tool, to generate a report of all the hardware and software installed on the computer, as well as to identify any security updates that are missing from the operating system.

2.2 Assumptions:

1. The user has administrative privileges on the Windows computer in question.
2. The version of Belarc Advisor being used is the latest available version.
3. The report generated by Belarc Advisor accurately identifies all installed hardware and software on the Windows computer.
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2.3 Dependencies:

1. A compatible version of Windows OS running on the computer, including Windows 7, 8, 8.1, or 10.
2. Adequate system resources on the Windows computer, including CPU, RAM, and disk space, to run Belarc Advisor and generate the report.
3. Up-to-date antivirus software installed on the Windows computer to ensure that Belarc Advisor and any downloaded files are free from viruses and malware
4. Access to an account with administrative privileges on the Windows computer to install and run Belarc Advisor and to install any missing security updates.

2.4 Data Set Used in Support of Your Project

2.4.1 Belarc Advisor Analysis:

TestDisk is a popular open-source data recovery software that allows users to recover lost partitions and files from damaged hard drives, CDs, DVDs, and other storage media. The downloading and installation process for TestDisk is quite simple and straightforward.

Here are the steps to download and install TestDisk::

1. Go to the official TestDisk website at https://www.cgsecurity.org/wiki/TestDisk_Download.
2. Scroll down to the section titled "Download" and select the appropriate version of TestDisk for your operating system. For example, if you are using Windows, select the "Windows" version.
3. Once you have selected the appropriate version, click on the download link to begin downloading the TestDisk installation file.
4. Once the download is complete, navigate to the folder where the file was saved and double-click on the installation file to begin the installation process.
5. Follow the on-screen prompts to install TestDisk on your system. You will be prompted to select the language, destination folder, and other options during the installation process.
6. Once the installation is complete, you can launch TestDisk by double-clicking on the desktop icon or by navigating to the TestDisk folder in the Start menu.



Fig: 2.4 - belarc analysis report

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3 Analysis Report

3.1 Download and install Belarc Advisor on your computer.

3.1.1 The first step in downloading and installing Belarc Advisor is to visit the official website. You can do this by typing the URL <https://www.belarc.com/products/belarc-advisor> into your web browser's address bar and pressing Enter.

On the Belarc Advisor website, click on the "Download" button located on the right-hand side of the page. This will download the Belarc Advisor installer file to your computer. The file size is relatively small, around 5MB, and the download should complete quickly.

3.1.2 Once the download is complete, locate the downloaded file on your computer. It should be in the Downloads folder unless you have specified a different location. Double-click on the file to run the installer.

3.2 Accept the license agreement

3.2.1 When you run the installer, you will be presented with the Belarc Advisor Setup Wizard. Click "Next" to proceed to the License Agreement page. Read the license agreement carefully, and if you agree with the terms and conditions, select "I accept the agreement" and click "Next".

3.3 Choose the installation location

3.3.1 On the next page of the wizard, you will be asked to choose the installation location for Belarc Advisor. By default, it will be installed in the "C:\Program Files\Belarc\BelarcAdvisor" folder. If you want to install it in a different location, click the "Browse" button and select a new folder. Then click "Next".

3.3.2 Click the "Install" button to begin the installation process. The installation should only take a few minutes to complete.

3.3.3 Once the installation is complete, click the "Finish" button to exit the setup wizard. Belarc Advisor will automatically launch and begin analyzing your computer's hardware and software configuration. This process may take a few minutes to complete.

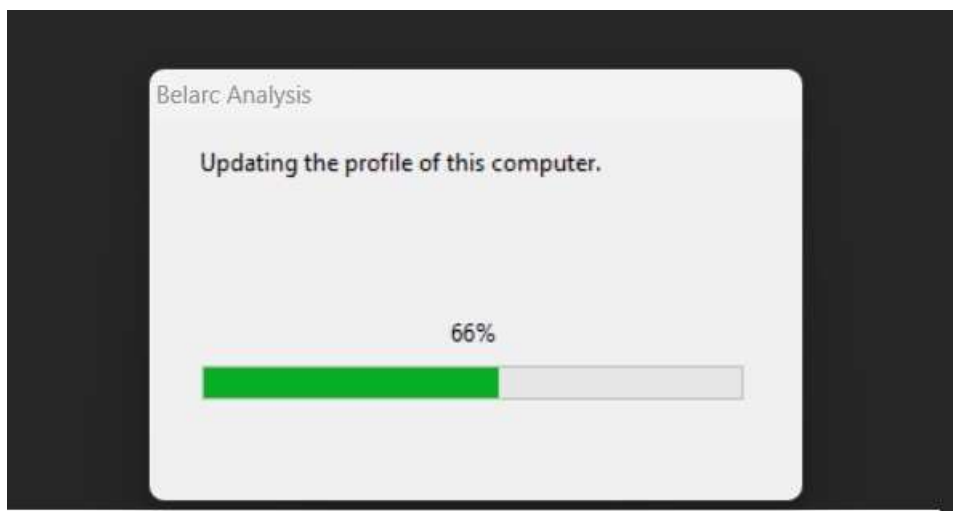


Fig: 3.3.3 – Processing of report

3.4 View the system report

3.4.1 After the analysis is complete, Belarc Advisor will generate a report that provides detailed information about your computer's hardware and software configuration. The report can be viewed within the program, or you can save it as an HTML file for future reference.

Belarc Advisor

The license associated with the Belarc Advisor product allows for free personal home use only. Use on computers in a corporate, educational, military or government installation is prohibited. See the license agreement for details. The information on this page was created locally on your computer by the Belarc Advisor. Your computer profile was not sent to a web server. Click here for more info.

System Status

- System: 3.78 of 19
- Security: Up-to-date
- System Update: Missing

Computer Profile Summary

Computer Name: MBRT (or WinMnt002P)
 Profile Date: 13-Apr-2012 12:35:57
 Advisor Version: 2.2.0
 Windows Logon: SXS

Try BelManage, the Enterprise version of the Belarc Advisor

Operating System

Windows 11 Home Single Language (x64) version 22H2 (Build 22H2.1.442)
 Install Language: English (United States)
 System Locale: English (United States)
 Installed: Win-OS-22H2.12.10.20
 Formatting Options: Current Branch (CS)
 Boot Mode: UEFI with Secure Boot

Processor

1.20 gigahertz Intel Core i5-12500
 20 megabyte primary memory cache
 2 megabyte secondary memory cache
 6 megabyte tertiary memory cache
 64-bit ready
 Multi-core (4 total)
 Hyper-threaded (8 total)

Local Storage (Shows only drive data for MBRT)

1.20 Terabytes Usable Local Storage Capacity
 602.62 Gigabytes Local Storage Free Space

Internal Drives

Device	Size	Type	Serial Number	Drive #	Status
SAMSUNG MZVL2256HQ-000-2	256.05 GB	SDD	24000010110074	1	Healthy
ST1000LUN33-UR6172	1.00 TB	HDD	W4271238	2	Healthy

System Model

LENOVO 8370, Lenovo IdeaPad 530-15IKL
 System Serial Number: N71Q10034
 Chassis Serial Number: N71Q10034
 Installable Type: Notebook

Main Circuit Board

Board: LENOVO 180N61832LS SEWQ25122 K1H
 Serial Number: N71Q10034
 Bus Clock: 100 megahertz
 MPN: L842201 CU0988996(X3-01) 11/04/2014

Memory

7.78 Gigabytes Usable Installed Memory
 Bus: Channel0-DIMM0: 8GB 4 GB (part number: 2880704C)
 Bus: Channel0-DIMM0: 8GB 4 GB
 12 Gigabytes Maximum System Memory Capacity

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Fig: 3.4.1 full report

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4 Reference/Bibliography:

|| belarc advisor: <https://www.belarc.com/products/belarc-advisor/download-eda4a40b4916>

➤ Github : <https://github.com/bharath-reddy-hub/ca3project/upload/main>