NETWORK DETECTIVE™

QUICK START GUIDE

Exchange Assessment Module

Instructions to Perform an Exchange Assessment

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Performing an Exchange Assessment

Exchange Assessment Overview

The Network Detective **Exchange Assessment Module** is composed of:

- the **Exchange Assessment Data Collector** used to assess the integrity of the Exchange email system being scanned
- the **Network Detective application** used to manage Sites and generate assessment reports

The Network Detective **Exchange Assessment Module** is quick and easy to use. There are just a few basic steps:

1. **Download and Install the Network Detective application**

   Visit https://www.rapidfiretools.com/nd-downloads to download and install the Network Detective application.

2. **Create a New Site**

   Create Site files to manage assessments for specific customer accounts, remote office locations, data centers, departments, organizational units, or any structure that is applicable to the environment on which you are performing an Exchange assessment — or any other assessment type.

3. **Start an Exchange Assessment**

   Once the **Site** is created, start a **New Assessment** and perform the Exchange assessment data collection process using the guided **Checklist**.

4. **Perform Exchange Scan Data Collection**

   Run the Exchange Assessment Data Collector on the target server. The output of the Exchange scan will be an .EDF used to generate reports via Network Detective. **Be sure that you document the name of the folder used to store scan data to import into your assessment**. When the Exchange Scan is complete, import the scan file into the assessment in Network Detective.

5. **Generate Exchange Assessment Reports**

Customize your reports by setting up your company's branding of the report to be generated with your logos and client information, and run the reports. The Network Detective Report Wizard will step you through this process.

What You Will Need

Exchange Assessment Component	Description
Network Detective	The Network Detective Application and Reporting Tool guides you through the assessment process from beginning to end. You use it to create sites and assessment projects, configure and use appliances, import scan data, and generate reports. The Network Detective Application is installed on your workstations/laptops; it is not intended to be installed on your client or prospect sites.
Exchange Assessment Data Collector	The Network Detective Exchange Assessment Data Collector (EADC) is a windows application that performs the data collections for the Exchange Assessment Module.

Follow these steps to perform an Exchange Assessment.

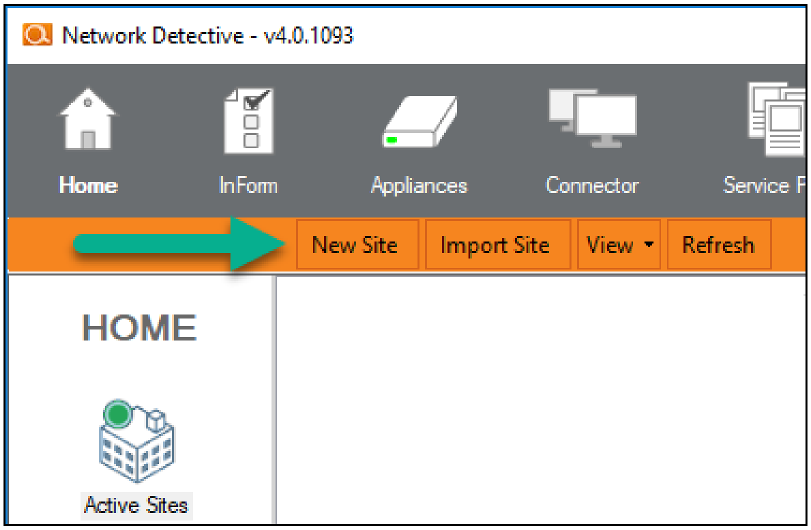
Step 1 — Download and Install the Network Detective Application

Go to https://www.rapidfiretools.com/nd-downloads to download and install the Network Detective application. Then run Network Detective and log in with your credentials.

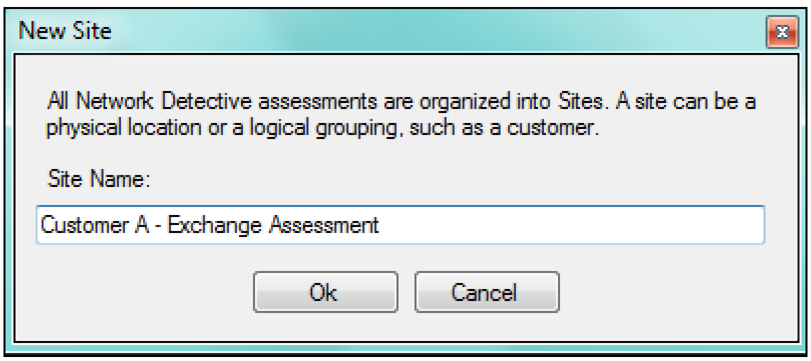
Step 2 — Create a New Site

To create a new site:

1. Open the Network Detective Application and log in with your credentials.
2. Click **New Site** to create a new Site for your assessment project.

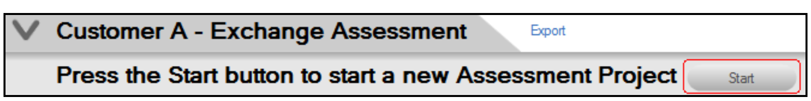


3. Enter a **Site Name** and click **OK**.

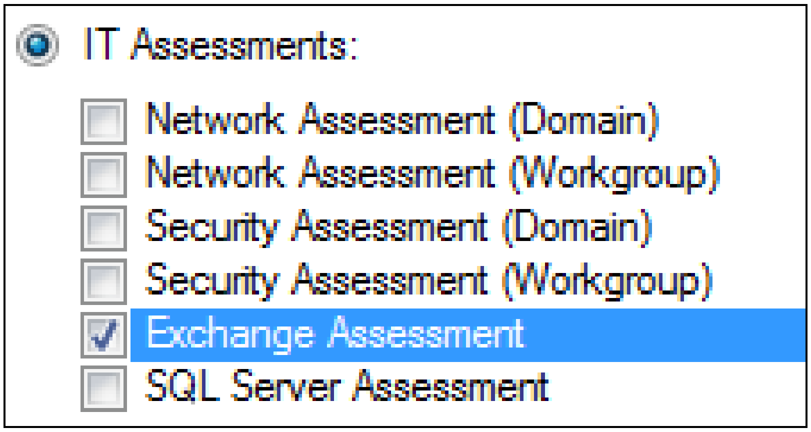


Step 3 — Start an Exchange Assessment

1. From within the **Site Window**, select the **Start** button that is located on the far right side of the window to start the **Assessment**.

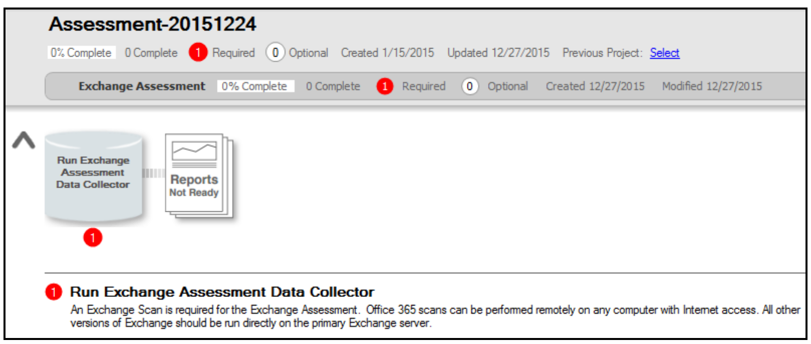


Next, select the **Exchange Assessment** option presented.



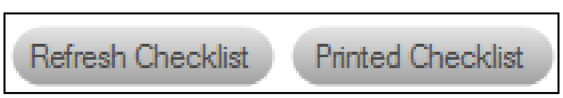
Then follow the prompts presented in the **Network Detective Wizard** to start the new **Assessment.**

2. Once the new **Exchange Assessment** is started, a "**Checklist**" is displayed in the **Assessment Window** presenting the "**Required"** and "**Optional"** steps that are to be performed during the assessment process. Below is the **Checklist** for an **Exchange Assessment**.



3. Complete the required **Checklist Items** and use the **Refresh Checklist** feature to guide you through the assessment process at each step until completion.

   You may also print a copy of the **Checklist** for reference purposes by using the **Printed Checklist** feature.

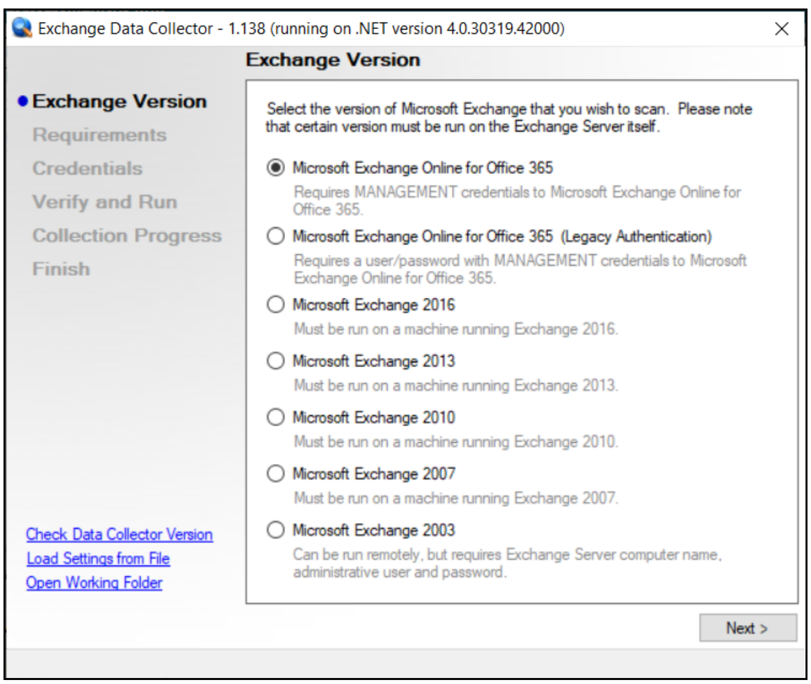


Step 4 — Perform Exchange Scan Data Collection

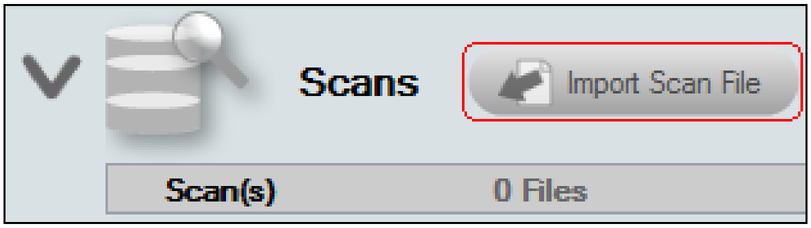
1. On the target network, log in to the local machine with **Administrator** privileges.
2. Download the **latest Exchange Assessment Data Collector** program from https://www.rapidfiretools.com/nd-downloads and save onto any machine that can connect to the Exchange server. You can also save the program to a USB drive and run it on the machine.

   > **Note:** This download is a self-extracting zip file and does not require installation when run on client systems. You may extract the Exchange Data Collector files to a folder on either a machine that can connect to the Exchange server or a USB drive. Then you can run “RunExchangeDataCollector.exe" to launch the GUI.

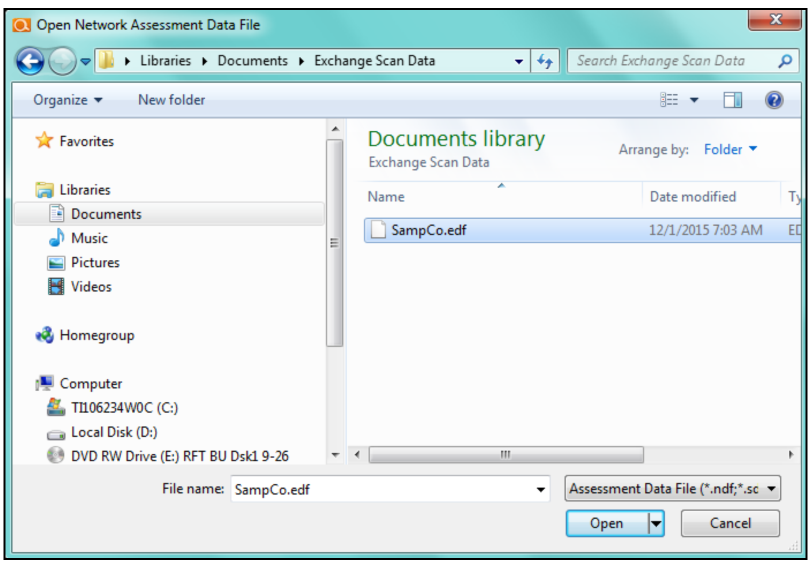
3. Right-click on the downloaded file and **run-as administrator** to ensure you are running with elevated credentials.
4. Next, after starting the **Exchange Assessment Data Collector**, select the version of Exchange that you are performing your scan on. Then proceed with using the necessary credentials while following the remaining wizard-driven prompts.



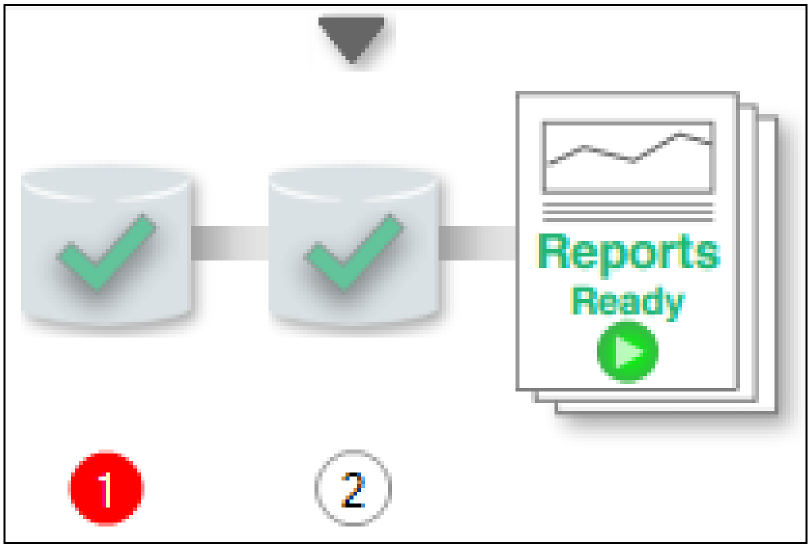
5. After the **Exchange Scan** is complete, either save the scan results file to a USB drive for later importing of the results into the assessment or email the file for later access. **Make sure the USB has sufficient free space to extract and save the Data Collector files and to store the scan results data files.**
6. **Importing the Exchange Scan file into your Assessment**: From within the **Scans** section of the **Assessment Window**, select the **Import Scan File** button.



7. Then, browse for the folder storing the Exchange Scan results data file generated by the Exchange Data Collector, select the file, and then **Open** the file to import the scan results into your assessment.

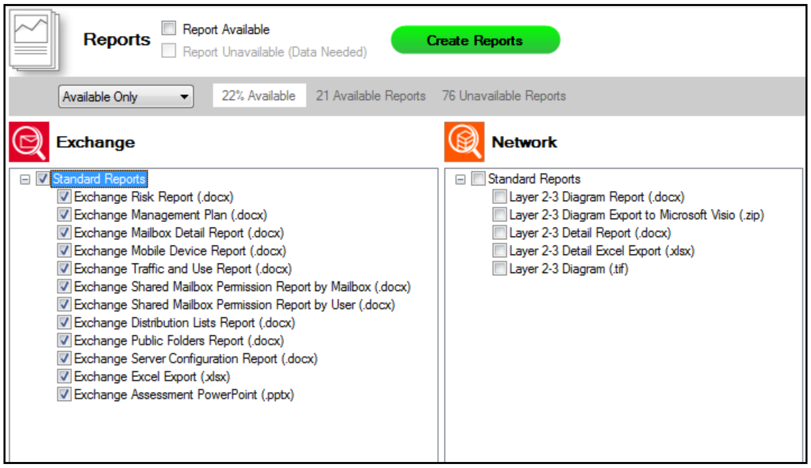


8. Once all of the scan data is imported into the **Assessment**, the assessment's **Checklist** will indicate that the **Reports** are ready to be generated.


Reports
Ready
1
2

Step 5 — Generate Exchange Assessment Reports

Note: This step is NOT performed at the client site or network. Network Detective should be installed on your workstations or laptop. Install Network Detective from https://www.rapidfiretools.com/nd-downloads if you have not already done so. To generate the reports for your Exchange Assessment, follow the steps below:



1. Run Network Detective and log in with your credentials.
2. Then select the **Site**, go to the **Active Assessment**, and then select the **Reports** link to the center of the **Assessment Window** in order select the reports you want to generate.
3. Select the **Create Reports** button and follow the prompts to generate the reports you selected.
4. At the end of the report generation process, the generated reports will be made available for you to open and review.

Exchange Assessment Reports

The **Exchange Assessment** allows you to generate the following reports:

Standard Reports

Report Name	Description
Exchange	Use our generated PowerPoint presentation as a basis for conducting a

Report Name	Description
Assessment PowerPoint	meeting presenting your findings from the Network Detective. General summary information along with the risk and issue score are presented along with specific issue recommendations and next steps.
Exchange Distribution Lists Report	Most organizations routinely create email distribution groups - both for internal communications and for routing incoming emails to multiple individuals at the same time. The problem is that over time, many companies lose track of which groups they've created and who's included in them. Obviously, with a migration you'd want to be able to accurately replicate all of these groups. But how about all those situations when employees turn over or change positions? Each time this happens individual emails need to be systematically added and removed from groups. This report identifies and lists all distribution groups as well as which end-users or other groups are to receive any emails.
Exchange Excel Export	We also give you the ability to output all of the Exchange data configurations uncovered by our scan, and export it into an Excel file format. Once in Excel, you'll be able to take the data and import it into your favorite Service Desk or PSA system, or simply create your own custom sorts, analyses, reports and graphs inside of Excel.
Exchange Health Report	This report measures the overall risk to the environment by the number of issues detected. An ideal environment would have a Health Score of 0 (indicating no risks found). The higher the score, the more likely a security, availability, or performance related incident will occur.
Exchange Mailbox Detail Report	Without this tool, it would be a daunting task to ask someone to document all known and available information for every mailbox in an Exchange environment. With the Exchange Assessment module, it's quick and painless. Simply run the non-invasive scan on the target Exchange Server, and Network Detective does the rest. This report gives you a mailbox-by-mailbox catalog of information, including everything from mailbox display name to quotas to a listing of folders/sizes for each mailbox (and more). Whether documenting regular use, planning ahead, or preparing for a migration - knowledge is power and, in this case, knowledge can be money as well. This report will allow you to better prepare for a migration by knowing all mailbox settings, ensure that display names, etc., are standardized, quotas are set appropriately, and also trouble-shoot issues with specific mailboxes.

Report Name	Description
Exchange Mailbox Permissions Report by Mailbox	Sometimes there's a need to give one or more individuals permission to access either someone else's mailbox, or a group mailbox, on a temporary basis - vacations, leaves of absence, and terminations are all examples of this situation. For security purposes, best practices suggest a periodic review of all mailboxes This report will identify on a mailbox-by-mailbox basis which groups or which individuals have access to the mailbox and at what level.
Exchange Mailbox Permissions Report by User	A separate companion report inverts the information to show you on a user-by-user basis which users have access to which mailboxes. This report is a great way to document individual access rights.
Exchange Management Plan	This report will help prioritize issues based on the issue's risk score. A listing of all affected computers, users, or sub-systems is provided along with recommended actions.
Exchange Mobile Device Report	Whether users are provided with a company sanctioned mobile device or are given the ability to "bring their own device", it is important to know all the details of the network's techno-diversity. This report provides a detailed listing of every mobile device used by employees to access their organization's mailbox. The report indicates the names and specific types of mobile devices that are accessing the Exchange server, as well as the operating systems and even the number of folders that are being updated. This report will help optimize employee connectivity/productivity and plan appropriately for system changes/upgrades. The report is also useful to present to clients as an aid to support your case as for system changes (such as setting up a SharePoint portal, moving to Exchange 2016, etc.).
Exchange Public Folders Report	Public folders give Outlook users access to common folders in order to share information. Access is determined by the Exchange administrator. Public folders can be available to everyone within a select organization, or to a specific group. This report gives you a quick run down of the public folders in the Exchange environment. This can be useful for determining whether users have access to public folders that they shouldn't - or if certain folders should not be made public in the Exchange environment.
Exchange Risk Report	While the Exchange Assessment module will automatically generate the detailed reports you need to manage a full migration project - or

Report Name	Description
	deliver an on-going security and maintenance service - you might not want to share all that information with your clients. Instead, show them a branded high-level report. Designed specifically to be a customer-facing document, this report provides a polished overview of any issues identified in the more detailed reports. Corresponding charts and graphs clearly communicate issues and serve as a graphical aide to help suggest remedial steps. This is the perfect report to prepare for your account reviews for current customers to show that you are properly handling their Exchange environments. And, it's a fabulous report to run for new prospects to show potential deficiencies and risks that you can help cure and manage.
Exchange Server Configuration Report	This report details the technical configuration and details of the Exchange Server. This information can be hard to consolidate or visualize without this report. This report can be useful for the Exchange administrator in order to quickly take in the configuration and overall health of the Exchange environment.
Exchange Traffic and Use Report	Managing individual and aggregate mailbox sizes is a real challenge for most organizations. It's obviously important to understand the total organizational email traffic and usage in order to prepare for a migration project. But the report is equally useful on an ongoing basis to help manage individual mailbox size limits based on usage needs, and to identify individuals who may be misusing or abusing their mailboxes. This report will show you the status of all mailboxes - their size limits, percentage used, and percentage free. This report is extremely useful when planning a migration or for growth planning to ensure that systems will continue to run without interruption.

Change Reports

Baseline Exchange Management Plan	This management report will also compare the results of a previous assessment with the current assessment.
Baseline Exchange Risk Report	This risk report will compare the results of a previous assessment with the current assessment.

Baseline Exchange Health Report	This report measures the overall risk to the environment by the number of issues detected. An ideal environment would have a Health Score of 0 (indicating no risks found). The higher the score, the more likely a security, availability, or performance related incident will occur. This report will also compare the results of a previous assessment with the current assessment.