

NextNDP: A Client Portal for Network Detective Pro Reports

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Problem:

Network Detective Pro, developed by RapidFire Tools, serves as a comprehensive network assessment tool encompassing network discovery, security assessments, documentation creation, compliance auditing, and troubleshooting tools. Given the sensitive and valuable nature of the information it provides, our goal is to facilitate organized access for other company employees.

To achieve this, we've devised a solution: once assessments are completed, they will be synchronized with our Nextcloud server (mynextcloudcs2.com), ensuring exclusive access for IT personnel. Following this, a meticulous data cleaning process will be implemented to prepare the information for distribution. Different folders will be designated, granting access only to relevant employees or groups.

To streamline data presentation and enhance user understanding, we will leverage Tableau to create visualizations. These visualizations, tailored for simplicity and clarity, will also be synchronized with the server mynextcloudcs2.com. This integrated approach ensures a secure and organized dissemination of valuable network assessment data within the company.

Risk Management:

When using Nextcloud for sharing Network Detective Pro assessments, prioritize data security with encryption, access controls, and authentication. Ensure data safety with checksums and hashing, make backups, and adhere to privacy rules. Educate users, have an incident response plan, and conduct security audits regularly. Think of it as maintaining a strong fortress against evolving threats. Stay vigilant, adapt to challenges, and update security measures regularly to align with organizational needs and compliance requirements. Continuous diligence is crucial in the dynamic cybersecurity landscape.

Current System:

Utilizing the Network Detective Pro tool from RapidFire Tools, we've successfully conducted scans on our AWS instance to collect test data. To ensure the security of this information, we're syncing the scans to our Nextcloud server for sharing of assessments. Access to these files will be available to authorized individuals, including customers and employees with the appropriate credentials. Within these files, we've incorporated visualizations crafted using Tableau. The data undergoes cleansing through Tableau Prep, ensuring its accuracy and availability to specific departments that require access.

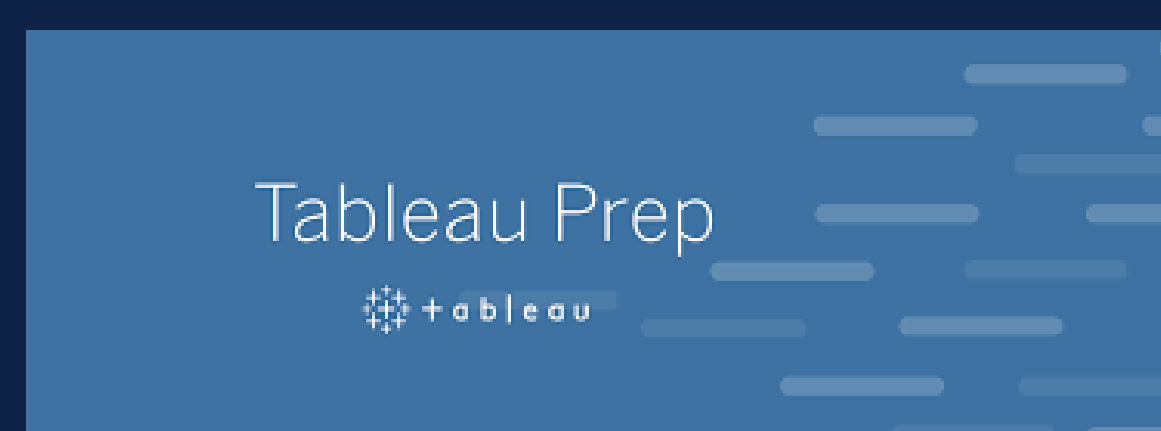
Summary:

Our goal is to provide an easy way for a company to access there scans. These scans contain a lot of informatiion and we will be using tableau prep to organize the information and create visualizations with tableau for the user to understand in a more simplified way. Not everyone will have access to all the files since most data in scans is sensitive so using tableau we will be able to clean data and distribute to it's designated users.

Requirements:

- ☒ Network Detective Pro Admin account
(For person conducting scans)
- ☒ Nextcloud secure server
- ☒ Tableau Prep
- ☒ Tableau
- ☒ AWS instance
- ☒ Linode

Implementation:



References:

Nextcloud developer documentation. Nextcloud developer documentation -Nextcloud latest Developer Manual latest documentation. (n.d.).
https://docs.nextcloud.com/server/latest/developer_manual

Network detective by RapidFire Tools. (n.d.).
<https://www2.rapidfiretools.com/nd/videotutorials/>