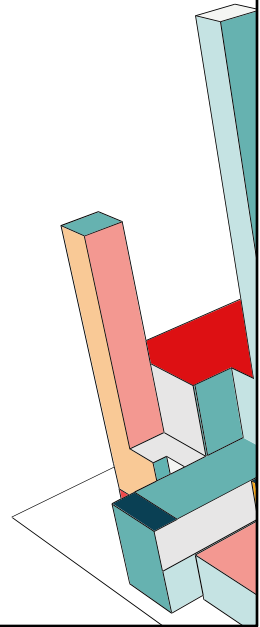


Introduce myself, thank them for their time and allowing me to come out to present this proposal. This proposal aims to provide an understanding of the secure and modernized IT infrastructure that will allow for future company growth and a stable environment for the company to rely on.

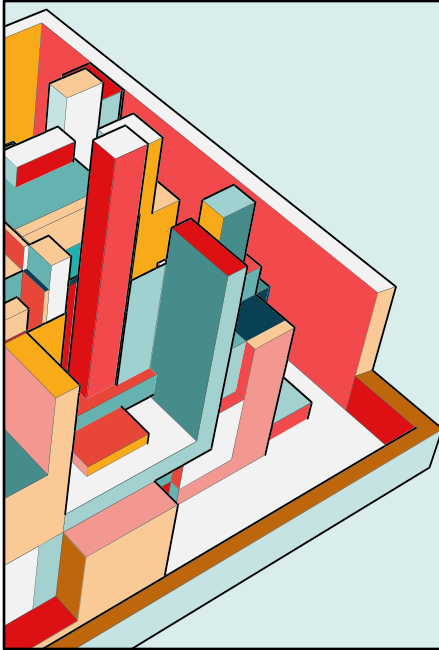
AGENDA

- Introduction
- Needs
- Goals
- Implementation Timeline
- Technologies
- Demo
- Impact
- Risks and Recommendations

2



Go through the agenda for presentation. Read down the list and give a brief description for what each section will provide. The intro will explain why this is necessary, needs will describe the needs and desires the company has for the infrastructure, goals outlines what we hope to deliver for the company, implementation timeline will breakdown the deployment timeline of this project, technologies will describe what technology will be used to support this deployment, demo will provide screenshots and examples for these implementations of the technology described, the impact will present how this infrastructure will benefit the company both immediately and in the future, and risks and recommendations will go over future possible implementations and risks to take into account when deploying this infrastructure.



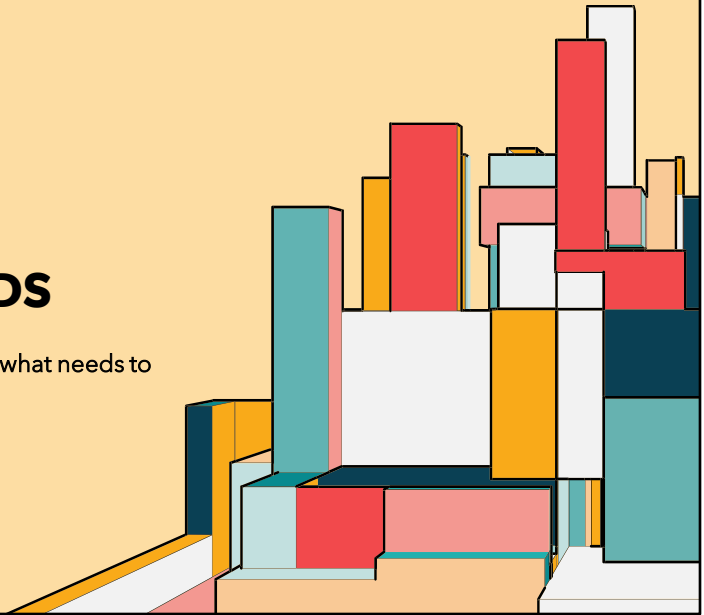
INTRODUCTION

Why are we here today?

The current company infrastructure is no longer cutting it for the company as it continues to grow. With growth comes new technological needs and the systems the company is currently relying on are outdated, unorganized, and lack significant security.

BUSINESS NEEDS

What is the current problem and what needs to be better?



The current infrastructure is forcing the company to work as several different standalone computers rather than employees all working together on one centralized system. This causes the whole system to be extremely inefficient. Files have no formal sharing protocol and have little restriction protecting them. There is a lack of ability for remote access and the system lacks a backup as well. The problems stated not only have the ability to be detrimental to productivity, but also can be risky for the company due to the lack of security.



Goals

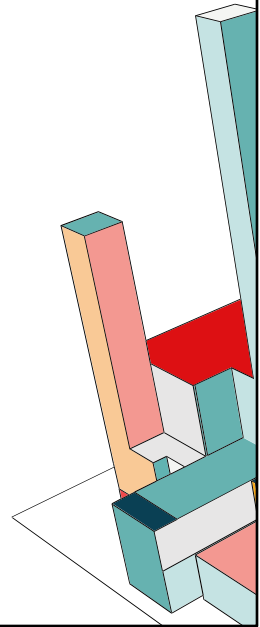
- What are we delivering for you?

The goals we hope to meet when providing our solution is built around Microsoft's Windows Server tools which has been tested many times before and implemented by many other companies successfully. The set up will be a centralized domain using Active Directory, which will allow the IT Department to manage users, device, and access permissions all from one location. File servers will be developed to be secure and department specific to prevent unnecessary access from outsiders. The group policies will implement consistent security protocols over the whole database and folder redirection will allow for folders to be accessed from any PC or workstation. Updates will now be processed centrally by using WSUS and VPN will be used to provide a secure remote access point. We also aim to provide a solid recovery and backup plan to help prevent issues and outages from occurring.

TIMELINE FOR IMPLEMENTATION

- 6-week deployment structure

6



The ideal implementation phase will take place over roughly a six-week period. This is the ideal, so if any issues arise it could take longer depending on the deployment. During week one, we hope to design and prepare the infrastructure to be implemented. Throughout the second and third weeks the groundwork will be built. This will include Active Directory, DNS, DHCP configuration, and security policies. Through week four, we would hope to be building the file and print servers. The development of remote access point and automatic software updates will come in week five. In the final week we will complete the backups, test the system, and provide written documentation of the deployment. This approach will allow for additional testing and implementation throughout to minimize the chance of disruption or delays.



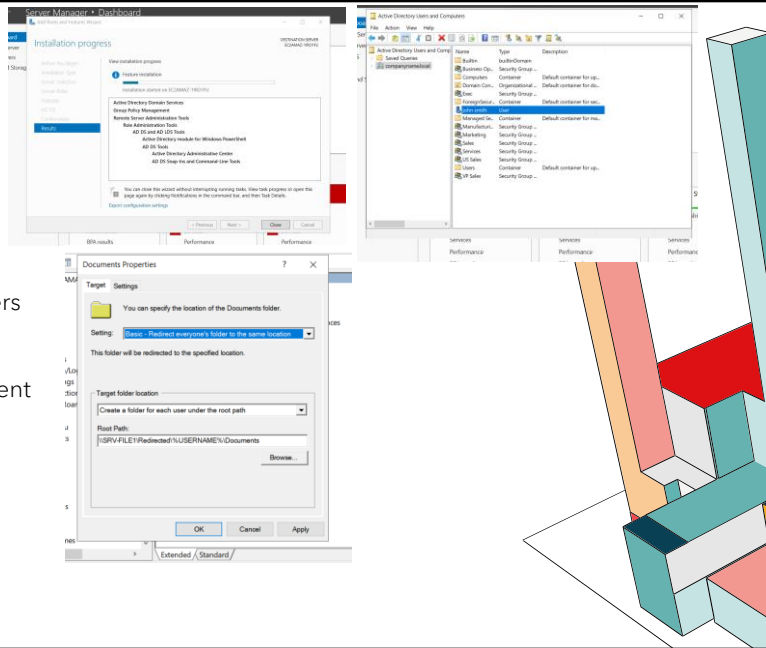
TECHNOLOGY IMPLEMENTED

What tools are being used throughout the deployment process?

The technology being used as the foundation for the new infrastructure will be Windows Server 2022. Active Directory will allow for management of users and devices. DNS and DHCP will be configured to manage the overall network, while the group policies provide a centralized structure for the security and settings. WSUS keeps the system and server up to date consistently without much interference from the team. EFS allows users to encrypt their sensitive files, while VPN allows for a remote access point to the network. Backups will be built through Windows Server Backup, with the ability to grow and implement into a hybrid system in the future.

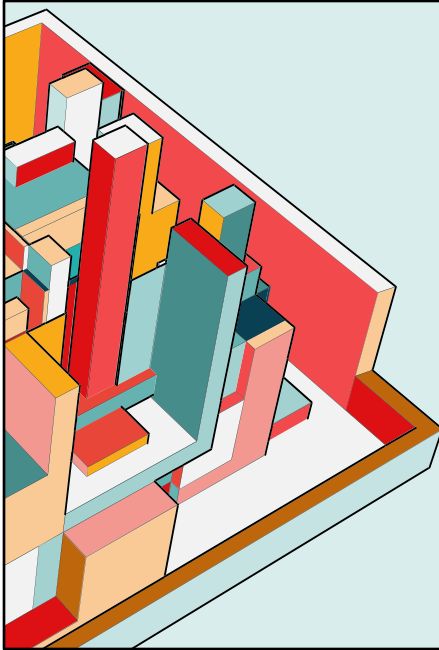
DEMO

- What this looks like?
- AD OU Structure
- Shared department folders
- GPO examples
- WSUS update management
- Remote Access Setup



8

Here are some screenshots to allow for demonstration for what these systems look like while being set up. The organizational unit structure is built in Active Directory, which will match your department layout provided. The department folders, will have specific permissions for the users who are members of those groups. The group policy image allows it to redirect folders and set security rules.



IMPACT

Why does this matter to the company?

The new infrastructure will allow the company to see major improvements in their employee's productivity, from login times to access to the data they need. This system also allows IT to support from wherever they may be. Using VPN remote access, employees will be able to safely work from any location. Updates will be consistent and allow for reduced security vulnerabilities. The system security, most importantly, will be much tighter and protect the company data.

RISKS AND RECOMMENDATIONS

Risks:

- Slow folder redirection
- User training

Recommendations:

- Cloud services
- Multifactor authentication

Now that the baseline infrastructure is in place, there are still more things that could allow for the continuous improvement for the future. Adding an additional cloud-based backup system or implementing multifactor authentication will greatly improve security and the user experience of the server. Employee training and support would need to be implemented in the beginning while people are still learning how to function with the new infrastructure.

CONCLUSION

- How will this set the company up for success in the future?
- Secure, centralized, and scalable
- Strong foundation for growth

11

This solution completely innovates the IT infrastructure for the company. It provides a more secure and efficient server for the company to work with. It also allows for future growth the company will definitely be seeing in the future. With this infrastructure, the company can be more reliable and efficient in their work immediately but also well into the future.