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 Microsoft Intune Autopilot Deployment & implementation

Time logs 9/30/2024 to 10/6/2024
 15.5 hours accumulated in this period

Date	Duration	Type	Description of completed work	Challenges and/or Next steps
9/30/24	1.50hour	Meeting with supervisor	The meeting primarily focused on outlining what to expect in the next phase of the project. We discussed the upcoming tasks related to the continued implementation and deployment process. Many of these tasks are complex and will require significant time to thoroughly read and understand the relevant materials. Additionally, we reviewed the tentative schedule to ensure that deadlines are realistic, considering the effort needed for in-depth research and execution. Moving forward, we emphasized the importance of staying organized and proactive in managing time to meet the milestones outlined for this phase of the project.	Next steps: 1. Reading day 2. Update management board and GitHub repository 3. Implementation 4. Meeting with supervisor 5. Complete time logs for this period.
10/1/24	1 hour	Documentation	Updating all new tasks to my management board and GitHub repository for the week of 9/30/2024 to 10/6/2024.	
10/2/24	4 hours	Reading	Secure your cloud-native Windows endpoint <ul style="list-style-type: none"> • Microsoft Defender Antivirus (MDAV) • Microsoft Defender Firewall • BitLocker Encryption • Windows Local Administrator Password Solution (LAPS) • Security baselines 	
10/3/24	2 hours	Implementations & deployments	<ul style="list-style-type: none"> • Microsoft Defender Antivirus (MDAV) • BitLocker Encryption • Windows Local Administrator Password Solution (LAPS) 	Challenge: During this period, the writer has encountered some issue while implementing the Microsoft Defender Antivirus.
10/3/24	2hour	Meeting with supervisor	During this meeting, we discussed the feedback provided by the professor regarding the first demo recording. The feedback highlighted areas for improvement, and we drafted an email seeking further clarification on specific points to ensure that we address the concerns thoroughly. Additionally, we reviewed the progress made so far, particularly focusing on the successful implementation of key security features such as Microsoft Defender Antivirus (MDAV), BitLocker Encryption, and the Windows Local Administrator Password Solution (LAPS). This review helped identify any areas that might need further adjustments or refinements as we move forward with the project. The conversation also emphasized the importance of refining future demos to align more closely with the professor's expectations.	

10/4/24	2 hours	Reading	<u>Windows Update for Business</u> Update rings for Windows 10 and later policy in Intune <ol style="list-style-type: none"> 1. <u>Prerequisites</u> 2. <u>Create and assign update rings</u> 3. <u>Manage your Windows Update rings</u> 4. <u>Validation and reporting</u> 	
10/4/24	0.25 hours	Research presenting sample use cases	Professor Katherine Chuang suggested” I recommend presenting sample use cases. Perhaps you can walk us through an example end to end of deploying sample apps? Time logs should show hours accumulated since the beginning of the semester. For future time log submission please include all hours since beginning of the semester”. Student has resubmitted all time logs as requested and taken the professor’s feedback into consideration for future demo recordings and live presentations.	
10/4/24	1.5hours	Implementations & deployments	<u>Windows Update for Business</u> <ul style="list-style-type: none"> • Create and assign update rings • Manage your Windows Update rings The policy actions for managing Windows Update rings in Intune allow you to delete, pause, or resume updates. Deleting an update ring stops Intune from enforcing its settings, but devices retain their current configurations and can still receive updates from other active rings. Pausing a ring halts feature or quality updates for up to 35 days, after which updates automatically resume unless paused again. Resuming a paused ring restores updates for the selected ring. These actions are applied when devices check in with Intune, though scheduled updates may still install beforehand.	Challenge: During this time, I encountered issues while implementing Windows Update for Business, which is a cloud-based solution for managing how and when updates are installed on devices. In Microsoft Intune, Windows Update for Business can be configured through Windows update rings and Windows Feature Updates. The challenge involved setting up these configurations properly to ensure seamless update delivery across all devices, while maintaining control over update timing and preventing disruptions in operations.
10/5/24	0.50 hour	Reflection For this period	Write out reflections on the time spent on the project so far, and prepare time log for submission.	
10/6/24	0.75 hours	Time logs	Write out reflections on the time spent on the project so far, and prepare time log for submission	<u>Next steps</u> <ul style="list-style-type: none"> • Continue readings • Implementations • Deployments • CISC 4900 Live Presentation

Reflection

What were your main goals in this period?

During this period, the main goal was to advance the Microsoft Intune Autopilot Deployment and Implementation project by focusing on several key tasks. These included implementing Windows Update for Business by configuring and managing update rings, successfully deploying security features such as Microsoft Defender Antivirus (MDAV), BitLocker Encryption, and Windows Local Administrator Password Solution (LAPS), and updating the project management board with all relevant tasks while adjusting schedules to ensure steady progress. Additionally, I addressed feedback from the first demo recording and planned improvements for future presentations. The overall objective was to solidify the technical aspects of the deployment and security implementation while keeping the project on track.

What were the main challenges during this phase? Were you able to meet the challenge, if so, what helped? If not, what could help?

The main challenges faced during this period included configuring Microsoft Defender Antivirus (MDAV) to meet security requirements, which involved troubleshooting and testing to ensure compatibility with the system's existing protocols without compromising endpoint security. Additionally, implementing Windows Update for Business was complex, particularly in configuring update rings and managing Windows Feature Updates through Intune, requiring careful validation to avoid operational disruptions. Despite these challenges, I was able to overcome most of them through extensive research, testing, and support from regular meetings with my supervisor. These discussions provided insights and led to a clarifying email to the professor. Following a structured approach and documentation helped manage the configurations for Windows Update for Business. Moving forward, dedicating more time to pre-implementation testing and exploring advanced Intune configurations could help avoid similar challenges during deployment.