THE V-TEAM
PROPOSAL FOR TERM PROJECT

OVERVIEW

VMware is the leading virtualization platform in today's virtual world, and in being so, it is imperative that all Cybersecurity personnel become familiar with it, and it's' integral workings. The most effective start would be to familiarize one's self with the Distributed Resource Scheduler (DRS), as it is the heart of VMware, (vCenter).

To understand the ebb and flow of the DRS, one will have to familiarize themselves' with vStorage and vMotion, as well, as they an integral part of the DRS's smooth and seamless live migration.

Objective

- To gain a full and detailed understanding of the Distributed Resource Scheduler and its' utilization of vMotion and vStorage.
- To educate our associates of the importance of the DRS, vMotion, and vStorage in the virtual world.

Goals:

1. Research and retain full knowledge of the DRS
2. Research and retain full knowledge of vMotion
3. Research and retain full knowledge of vStorage
4. Research and piece together the relationships between DRS, vMotion, and vStorage.
5. Share our combined knowledge of an active DRS/vMotion/vStorage simulation with our associates.

OUR PROPOSAL

The V-Teamproposes and in-depth analysis of the relational workings of the Distributed Resource Scheduler, vMotion, and vStorage. We will take a critical look at each of the aforementioned components, with a keen eye as to how each component compliments one another to ensure:

- High Availability
- Load Balancing
- Backup
- Distributed Routing
- Fault Tolerance
- Seamless Disaster Recovery

Rationale

The V-Team has chosen to expand our knowledge of the DRS/vMotion/vStorage, as it can be the catalyst to expand our knowledge of the entire vCenter.

Execution Strategy

Our execution strategy will incorporate research tools such as, textbook, periodicals, web searches and videos.

Once research is completed by each member of the V-Team, the information will be assembled into the final presentation.

Resources
- Mastering VMware vSphere 6
- Periodicals: TBD
- Web Search: TBD
- Videos: TBD

Timeline for Execution

Key project dates are outlined below. Dates are best-guess estimates and are subject to change.

Description	Start Date	End Date	Duration
<Project Start/End>	10.21.2017	12.05.2017	7 weeks
<Research>	10.21.2017	11.17.2017	4 weeks
<Combining Research Material>	11.21.2017	12.01.2017	2 weeks
<Adding Class Activity>	12.01.2017	12.01.2017	1 Day
<Project Presentation>	12.05.2017	12.05.2017	TBD
<12 Page Written Report >	12.02.2017	12.07.2017	5 Days

CONCLUSION

The V-Team looks forward to an educational research journey, and are excited to share our combined knowledge with our associates!

Thank you for your consideration,

The V-Team

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