

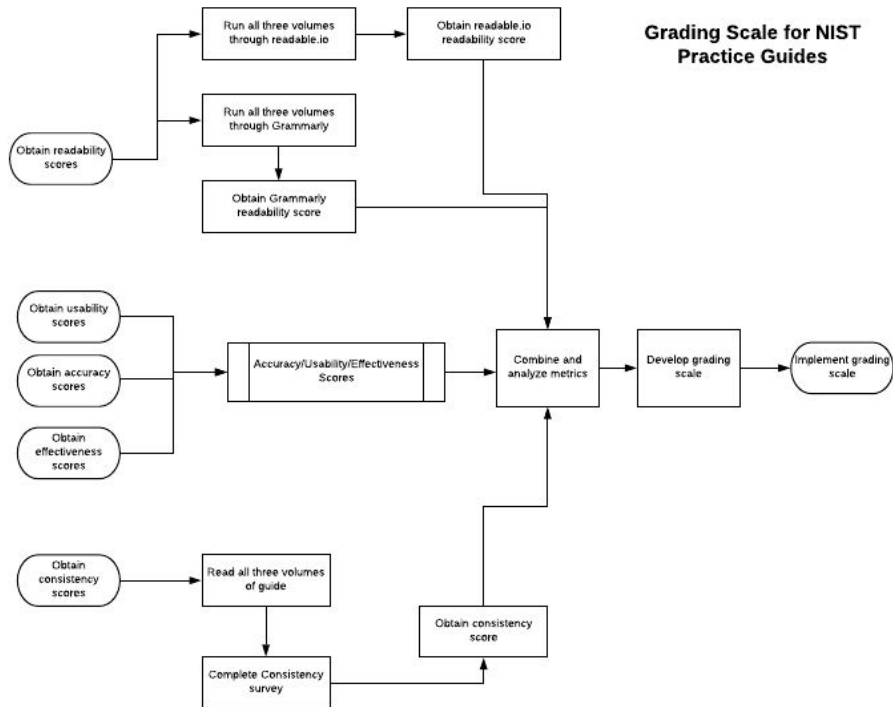
# NCCoE Practice Guide Vetting Milestone 2

Team XYZZY

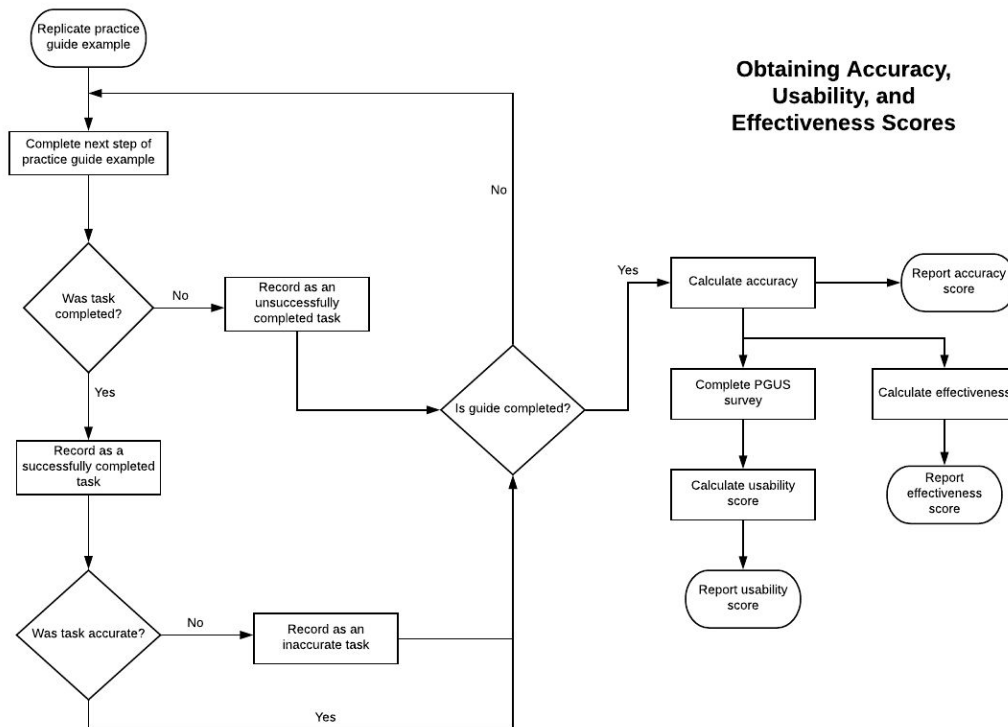
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# Process Model



# Process Model





# Outcomes

- Obtained readable.io subscription
- Obtained readability score from readable.io
- Obtained Grammarly error report
- Developed questions for Practice Guide Usability Scale (PGUS)
- Developed questions for Consistency survey
- Obtained a domain name (capstone-unomaha.com)
- Obtained public IP via cloud hosting
- Developed base lab environment

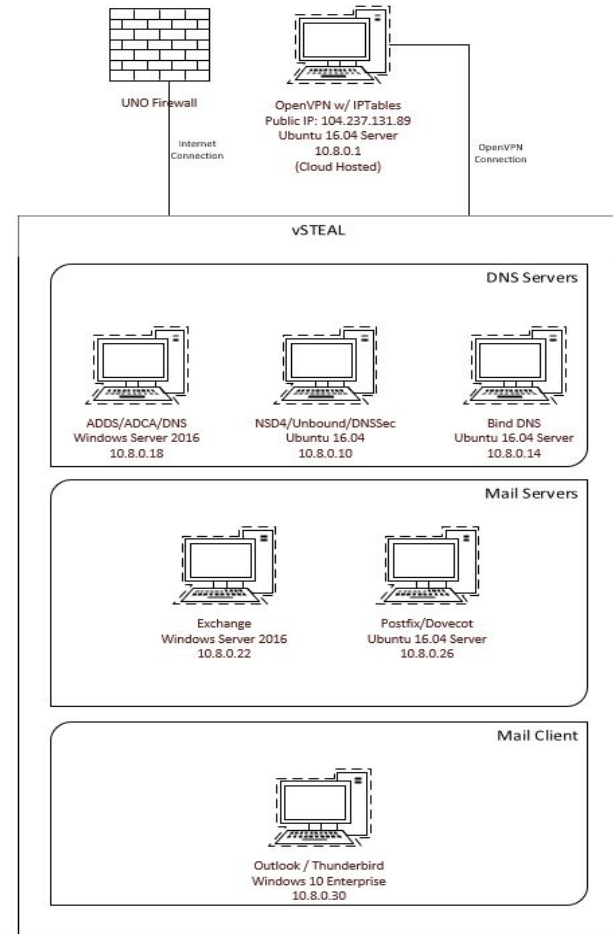


# Readability Progress

- With subscription to readable.io, we were able to get results for both Part A and Part B
  - Readable.io uses a grading scale similar to our school: A+ = great, F = very bad
  - Part A grade: C
  - Part B grade: B
- Part A and B were also put through Grammarly
  - Part A errors: 6
  - Part B errors: 14
- Use of PDFs may have skewed results of both readable.io and Grammarly
  - Grammarly had major problems with analysis due to file size restriction and being limited to Word docs only
  - Had to split Part B into 4 parts and had to copy/paste text into Word doc just to process
  - Readable.io had less errors as it accepted PDFs, but some weird characters still made it in the analysis.

# Environment

- 7 VMs - 3 DNS, 2 Mail Servers, 1 Client, 1 Remote Access
  - Mixture of Windows and Ubuntu/CentOS
- OpenVPN running on cloud VM (hosted on Linode)
  - 10.8.0.0/16 Subnet for all VMs
  - Gives them all static addresses on OpenVPN
- IPTables running on cloud VM for port forwarding on public IP
- Snapshots to restart setup from barebones
- Domain: capstone-unomaha.com





# Hindrances

- Grammarly size limitation and PDF limitations
- Environment issues
  - Public IPs
  - Routing
  - Limited vSTEAL access (vSwitch, ISO uploads)
- Waiting for a domain. Eventually purchased through GoDaddy and ensured DNSSec support



# Risks

Risk Name (Value)	Impact	Likelihood	Changes from Milestone 1
Limited Breadth of Testing (28)	4	7	This issue hasn't changed from the original as it will still be a problem going forward. With only 4 testers for our scale, the lack of data could end up giving incorrect results about our finished grading scale.
Limited Understanding (20)	5	4	A lack of understanding is still a possible risk as we approach reproducing the guide. While we now have more experience with the topic, we still could still not understand entirely what was done and our scale will be inaccurate.
Failed Replication of Chosen Guide (14)	7	2	The replication of the guide still hasn't occurred, but a majority of the setup has been completed. The risk for it failing stays the same, but it shouldn't end up being a major problem.
Lack of Time (12)	6	2	We have done a lot of work in creating the grading scale, so a lack of time should be less likely with what we have done.
Loss of Group Member (10)	10	1	Currently no group members have left and it is assumed that it will stay this way for the remaining month