JDISE Tech Cheatsheet Cheat Sheet

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LEAN

Big Key Factors

1. Deliver value from your customer's perspective
2. Eliminate waste (things that don't bring value to the end product)
3. Continuous improvement

LEAN starts with understanding with identifying value and then flows into the company needs

Security Protocols

SSO -Single-Sign On: **SAML enables** SSO; using one set of credentials

OAuth (Open-standard authorization protocol)

- provides apps the ability for "*secure designated access*"
- Ex. Like giving ESPN access to post on and access your profile without giving up your password
- In the even that ESPN is breached, your Facebook is safe
- OAuth uses API calls extensively

SAML (Security Assertion Markup Language)

-is an open standard that allows identity providers (IdP) to pass authorization credentials to service providers (SP)

-Basically you can use one set of creds to log into many different websites.

-Drops a session cookie in a browser that allows a user to access certain web page. Great for short-lived work days.

CIMS (Coordinated Incident Management System)

-response tools

-Situation report

-Action plan

-Resource request

Security Protocols (cont)

-Incident report

EUA???????

RBAC (Role-Based Access Control)

-users are granted access to resources based on their role in the company

-Aid with the principle of least privilege

-TALK ABOUT ENTITLEMENTS AND THE PRIVILEGES MAPPED TO POWERBI AND DEVOPS

Misc.

What is a threat, vulnerability, exploit, and mitigation?

Vulnerability: Weak point of the network that can compromise the security of the network

Exploit: Refers to a tool that can be used to find a vulnerability in a network

Threat: Refers to a person or a program that uses exploits and vulnerabilities to break into the network

Mitigation Technique: Refers to a tool or a technique that can be used to protect the network or weak points of the network

Vulnerabilities, Exploits and Threats examples

-Weak points of the network that can be used to break into the network

-Tools that can be used to find other weak points

-Persons or programs that break-in, destroy, steal or modify something without permission.

-Tools and techniques that can be used to fix weak points.

ISO Model

Application	Network process to application
Presentation	encryption and decryption
Session	Interhost communication
Transport	Reliable delivery of segments between points on a network
Network	Addressing routing
Data Link	Reliable direct P2P data collection
Physical	Direct P2P connectoin

Ansible

Modules	The packages that are sent to remote machines
Executables	
Playbooks	are the language by which Ansible orchestrates
Inventories	file that describes hosts and groups in ansible

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