Bilal Ahred Khan 20K0183 Sec:B

Date: _____

How to marge security visks and theats Grogle Cyber Security Ceritificate
Ceritificate to
-> CZSSP Ras & security domains which organisations use to
establish their security posture
- Security & risk management is focused on defining security goals
Es objectives, risk miligation & compliance
-> Asset Scurity focus on physical & digital cusets
> Security Archite the & engineering houses on optimizing
data security by ensuring offective use of books & nythen Tommunication & Network Security Course on managing
- Communication & Network Security Course on managing
2. Securing physical with network or wireless communications
- Security aresevent & testing focuses on security control
lesting & sewity andits
- Security operations bocures on conducting investigations &
implementing security measures
- Software development security focus on resing secure
cooling practices
- Threat is any circumstance or event that can regalively impact
assels
- Social engineering is an exploitative technique which targets human enor to gain private information. (Midarisk arsel/high-rish - Rainmoure is a kind of malware.
human eusy to gain private information. (Mid-rick arset/high-rich
- Rasom vare is a kind of malware. (anet)
with lovers it surpose uch a) door web a dock web
-NIST RMF Framework for managing risks threats & vulnerabli
- 1) Prepare 2) Categorize 3) Select 4) Implement 5) Assess 6) Authorize
7) Nonitor

Date:
The second of th
and a mother to mitigale ville a
-> Security frame works provides methods to mitigate vides &
improve security
improve security -> authentication & energiption can be used to protecture
- Current care
olata - CIA triad helps organizations in mitigating risks when
- CIA triad helps organizations is
selling up system & scarring policies selling up system & scarring policies 1. Authorbicity
I integrity A: Author 1214
C: confidentiality Trintegoity A: Authorbicity C: confidentiality Transmity Framework is whentay Granework
- N7ST CSF (Conference of Framework) is whentay Gramework
that invisting stendards sometimes
manage expersently risk security Project) Principles
- DUASP (Open web Application Security Project) Principles
- Owasp Open wes repriced
are used to secure our usb applications
· Minimire attach surface and of clubics . defense in depth eseparation of clubics
1/1 60 0/2 1/12 1/12
· peop security simple · lix securing
The state of the s
- An internal security audit may include
- an page agernal.
establishing goals & scope + caractering with analysis
- logs (nerwork, bireval) a sever) allow security analysis
to malyse the security porture of an organization in a
700
- Security information E event management (SIEM) collects &
- Security information & event management (SIEM) collects as
andres by logs to monitor cutical activities in an
organization.
Jan Lan

Date:
- SEIM tools help to minimize the not of boys a security analyst has to manually review
- Metria (available)
performance et a jobbune a micabin
- SEIM took may be self losted . cloud hosted
- Some common SEIM tools
- Done common SEIM tools
- Splunk · Chronicle
- Phaies of incident response playbook: Playbook is arranged that provides details about my operational actions - Invident response is an organizations quick attempt to identify a the first of the fir
- President response is to as it is operational actions
identify an aback & contain its damage & correct
the effects
- It has the following phases 1) prepration 2) detection Eanalysis 3) Containent 4) andication & recovery 5) Post incident activity
RMF Heps
i) Calegorize
2 2 polement
a) Assess
5) Auflorize
2) Select
C) Monitor

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