UML diagram: <https://lucid.app/lucidchart/82558ade-b247-4625-bf5a-10693564789e/edit?viewport_loc=-256%2C35%2C1934%2C1076%2C.Q4MUjXso07N&invitationId=inv_d429ee7f-288e-4f03-b49d-aacd8c74cc2a>

Access Control:

* Passwords
* Local password policies
* Biometrics
* Physical Token
* File permissions

Incident Detection/Response using data analysis

* Incident Logging Report
* IDS (Intrusion Detection System)
  + Network based firewall
  + Machine learning model to analyze data
* IPS (Intrusion Prevention System)
  + Block users using firewall
  + Close open ports

Security Compliance:

* File report (certain amount of time updated) to track user data and behavior

Secure DevOps:

* Dev Ops pipeline

Interview Questions:

6 people-

Start-up bringing lots of revenue

**Storing through Github**

* **Change storage, Github is not secure to store data on**

How data breached happened?

Response: code developed is being accessed very easily publicly

Would like an automated system

What types of services would you like to have incorporated into the company?

Response: ML, automated,

What types of features would you want for the best access control?

Response: Will notify them when attempted unauthorized access

How do you want us to detect incidents and prevent them?

Response:

What types of security compliance would you need for this system?

Response:

How would you like us to secure the DevOps for this company?

Response:

Is there any type of extra monitoring/security systems in place aside from IDS/IPS? (SIEM or Security information and event management)

Response: