

# Cyber Security

21<sup>st</sup> ACG Cross-Training Seminar – Yogyakarta  
Technical Task Force  
National Securities Depository Limited



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# Agenda



- Background
- Cyber Security Framework
- Security Reference Architecture

# Background

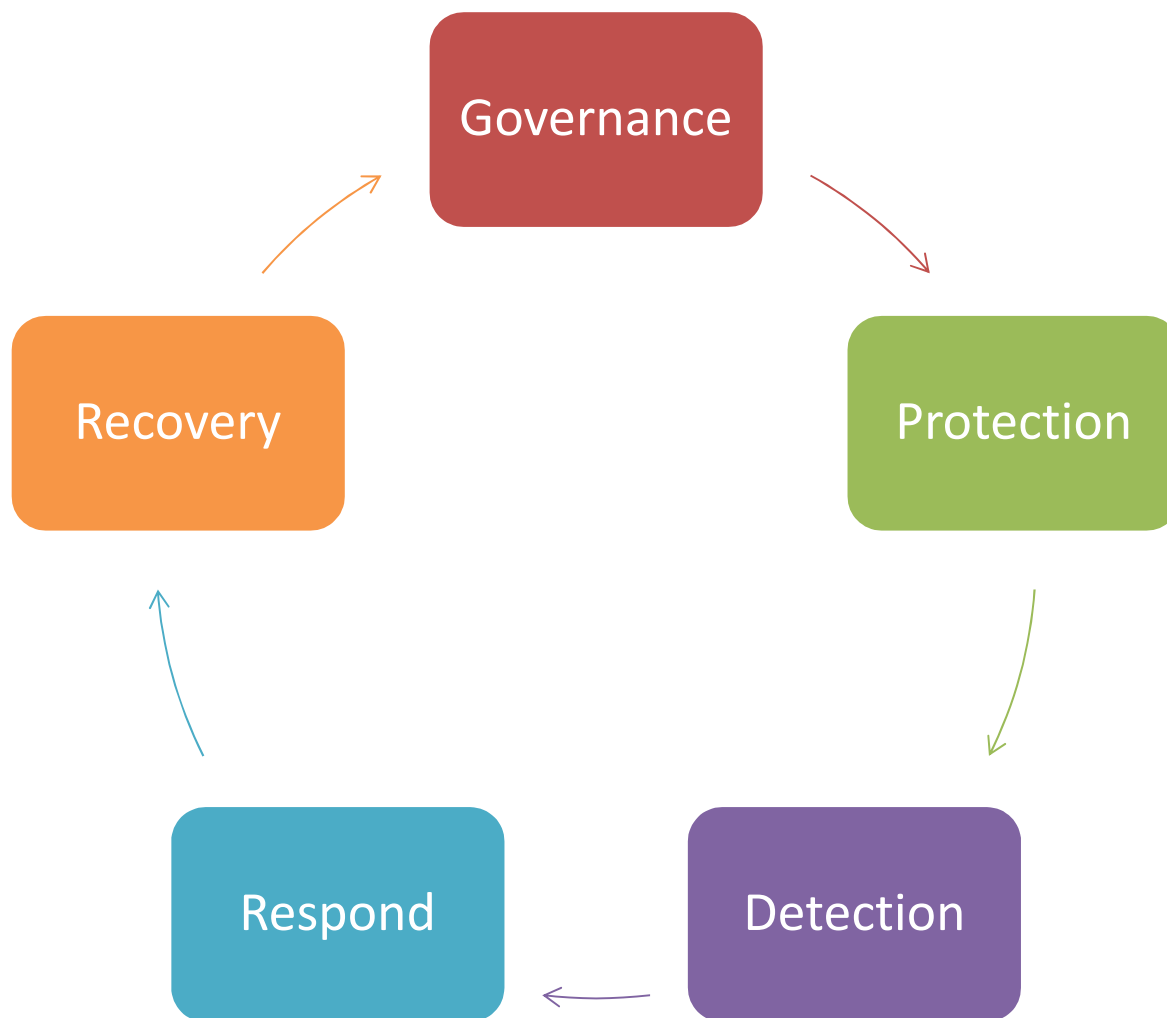


Cyber-attacks has increased exponentially in the last few years and every organization could be target

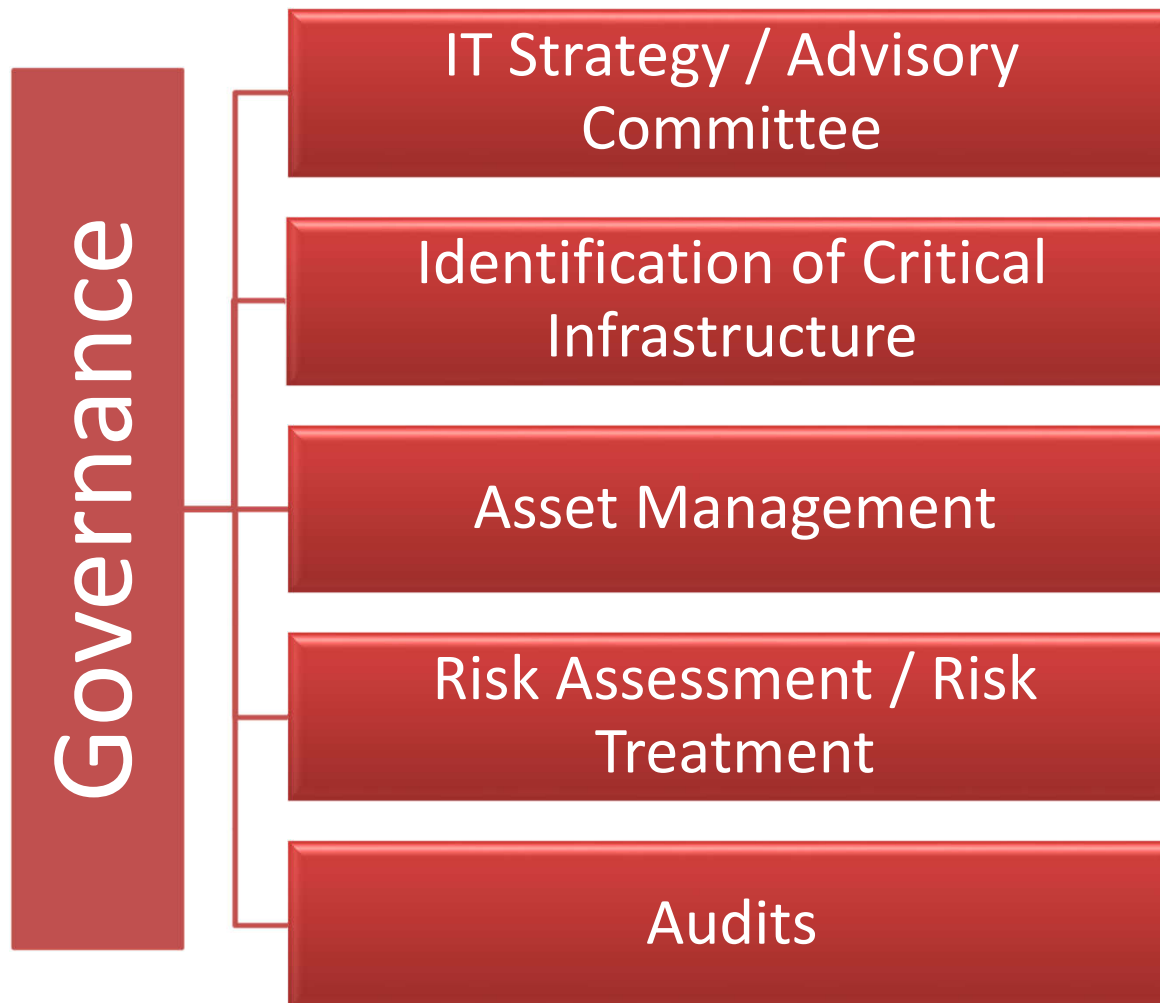
The need of the hour is to enable and foster a cyber secure culture and ecosystem

Market Infrastructure Institutions (MII) like Depository have obligation for timely recovery of operations in the event of a wide-scale or major disruption (Principle 17 of Financial Market Infrastructures (PFMIs) laid down by CPMI-IOSCO

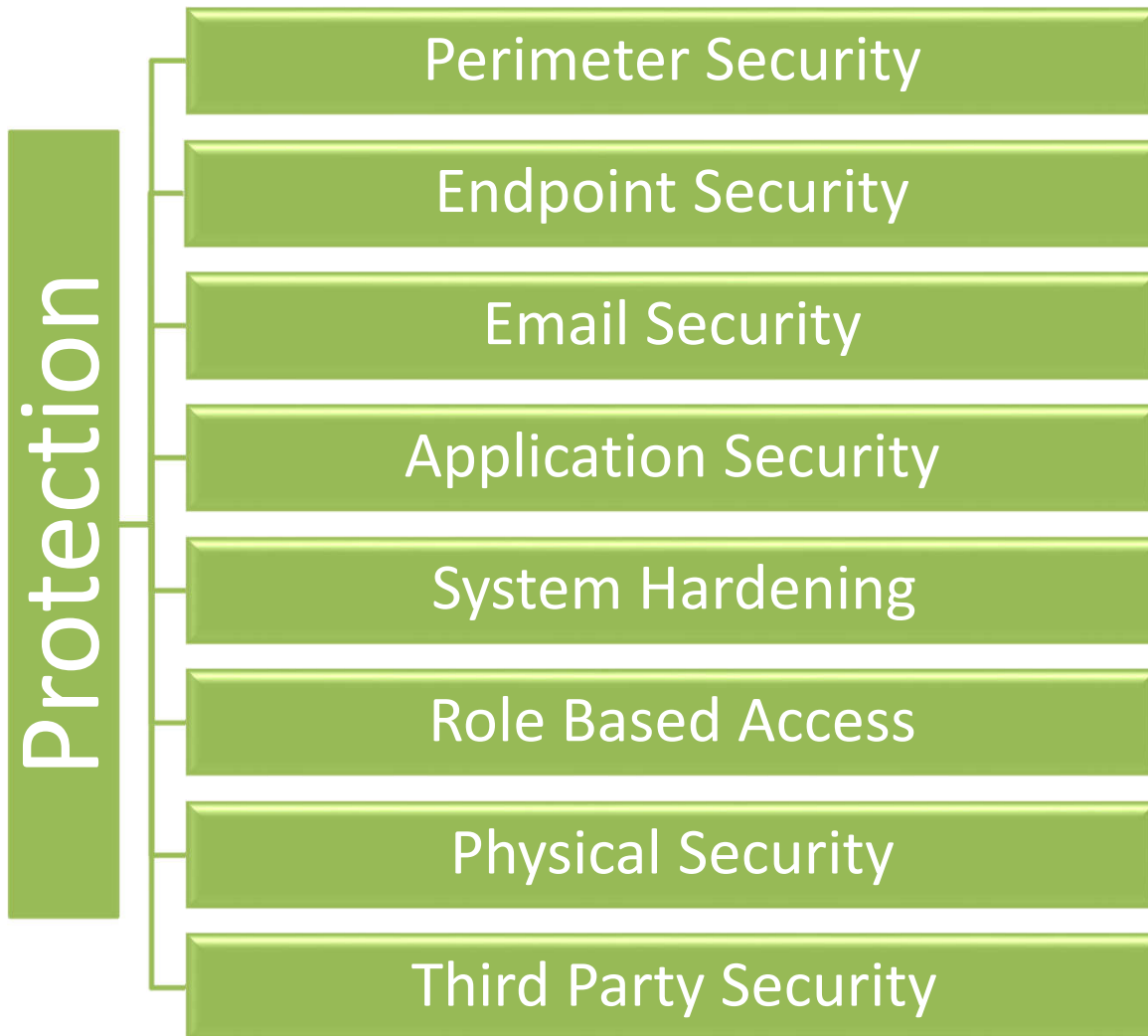
# Cyber Security Framework



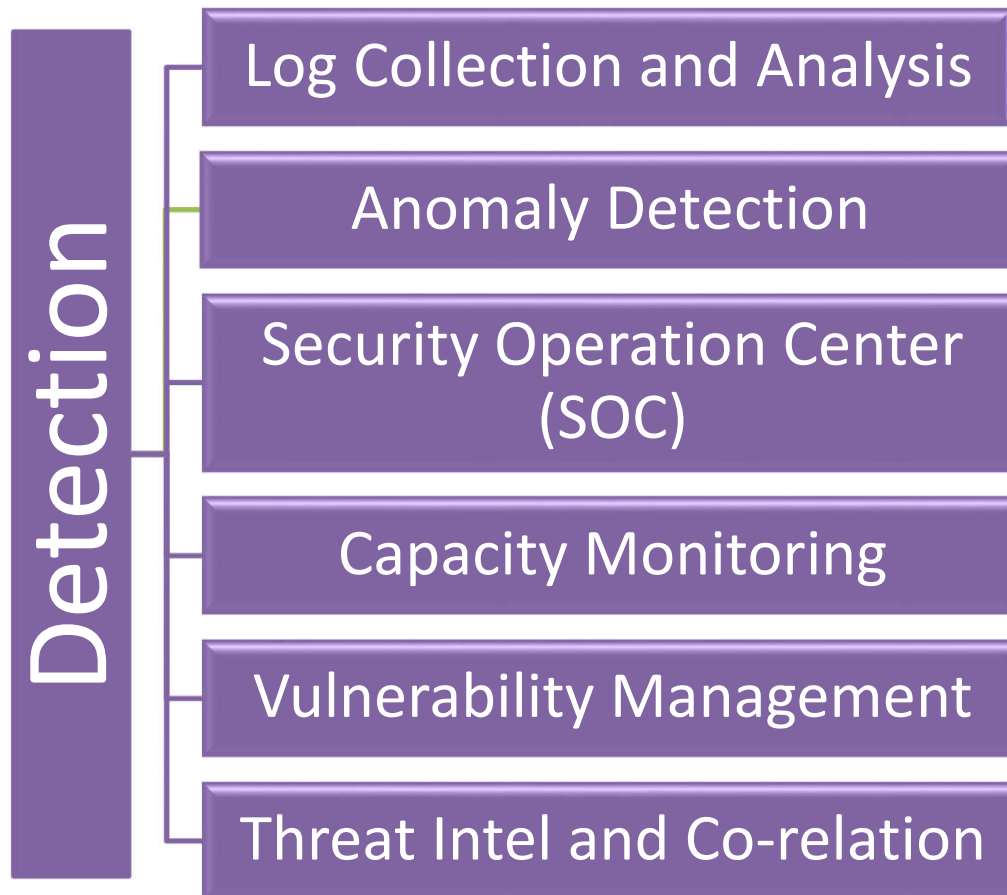
# Governance



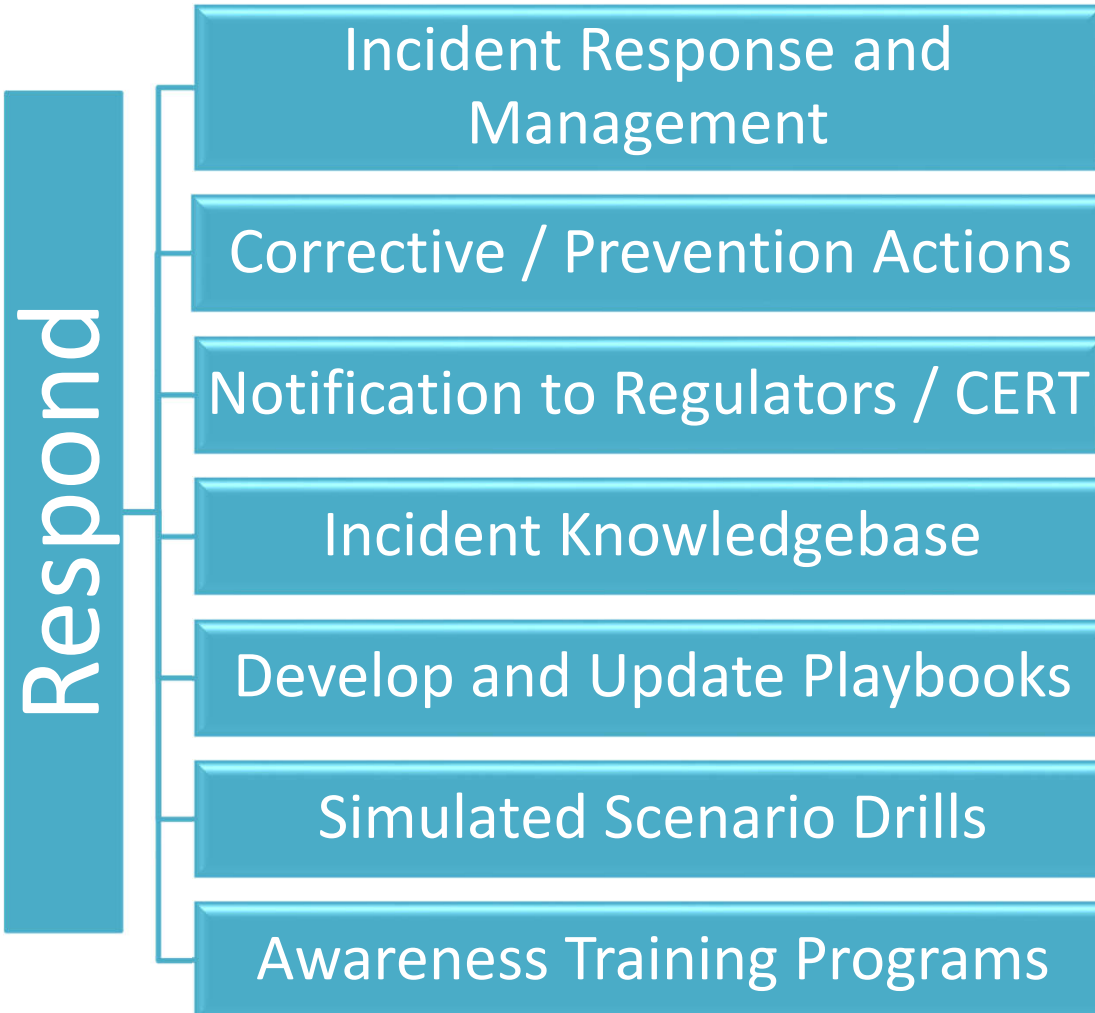
# Protection



# Detection



# Respond





# Recovery

## Recovery

Disaster Recovery

Business Continuity  
Management

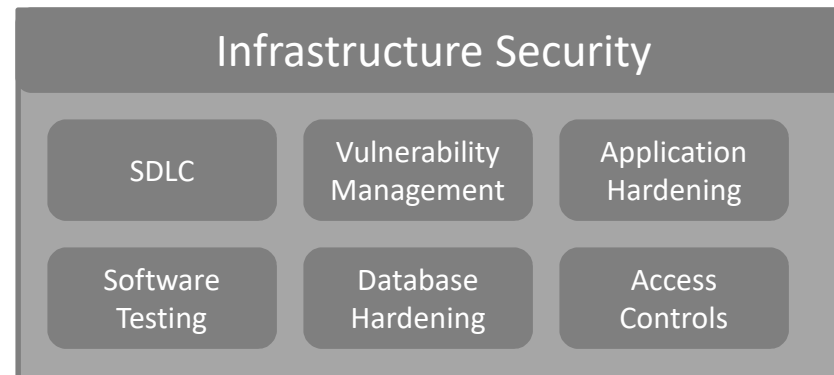
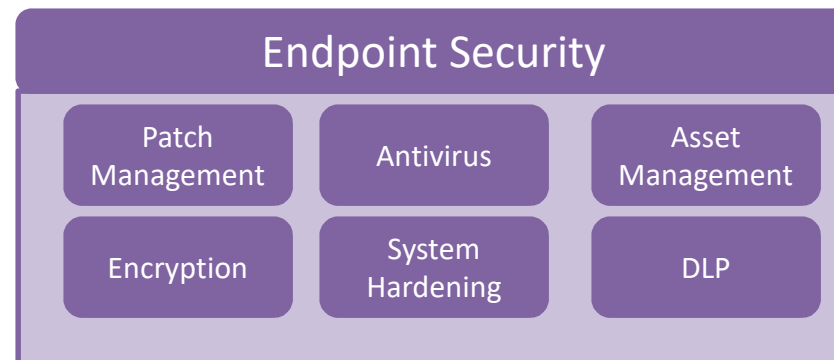
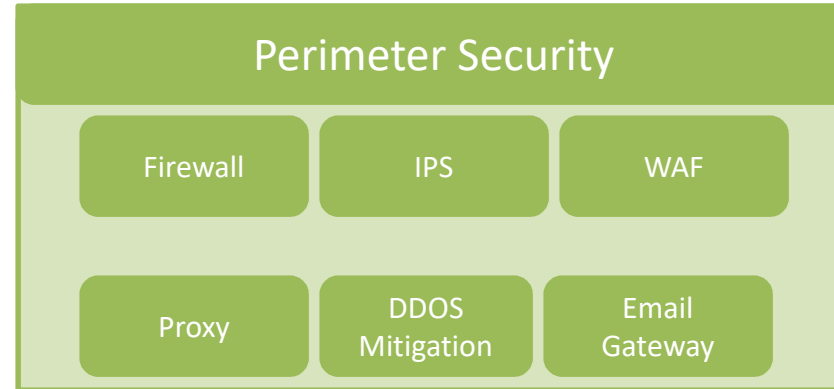
Restore from Backup

Contingency Plans

Communication Plans



# Reference Architecture



# Conclusion

- Identify and Protect the Crown Jewels
- Deploy Layered Defence
- Proactive Monitoring and Detection
- Understand security status
- Resilience is the key
- User Awareness
- Regulatory Compliance

**Thank you**