

- i) Packet Filtering firewalls
- ii) Stateful inspection Firewalls
- iii) Proxy Firewalls
- iv) Next-gen Firewalls (NGFW)

Benefits of Firewalls

- Improved Security
- Access Control
- Visibility and Monitoring
- Regulatory Compliance

Best Practices of Firewall Configuration

- Define clear Security Policies.
- Rule optimization
- updates Patch
- Logging and Monitoring
- Segmentation
- Testing and Validation.

2) Configuration and rule sets for Mod Security.

Functionalities of Imperva Secure Sphere WAF.

→ Configuration -

- Sec Rule - Rules that specify conditions which under a request should be blocked or logged.
- Sec Action - Allows execution of actions based on specific conditions.
- Sec Rule Engine - Controls the mode of operation (detection only, prevention)
- Sec Audit Log - Configuration for audit logging

→ Rules - Core Rule Set (CRS), Commercial Rule Set
Custom Rules.

→ Imperva Secure Sphere (WAF)

i) Security features

- Web App. Protection
- API Security
- BOT Mitigation
- DDoS

ii) Management and Deployment

- Centralized Management
- Deployment options
- Scalability

iii) Reporting and Analytics

- Real-time Monitoring
- Analytics

iv) Integration

- Integration with SIEM's
- " with DevOps Tools