Malware Detection and Classification Tool (Combined) Requirements Real-Time Detection Zero-Day Vulnerabilities Nessus SIEM System (IBM QRadar) High-Level Design Database (MySQL) Regular Updates Credential Management Data Collection and Scanning Response and Mitigation Reports and Alerts Scalability Backup and Recovery Configuration Result Analysis Security Configuration Checks Regular Scans Notification Results Processing User Interface Logging and Auditing All Alert Generation Malware Signature Matching Vulnerability Classification Severity Assessment