Swordfish
Security Technology

RISK MANAGEMENT

By implementing a set of embedded processes as well as processes tailored to client needs (using the workflow builder), SWORDFISH supports decision making through which management identifies, analyzes, and if necessary responds appropriately to risks that might adversely affect the realization of organization's business objectives.

Procedures generate events that can be analyzed depending on their perceived gravity and the corresponding risk model. Risks can then be controlled, avoided, or accepted.

By employing the embedded asset decomposition functionality, assets can be decomposed to network or system elements creating a relative risk matrix, which can be leveraged to interconnect SWORDFISH with modern SEM and SIM systems.

It is then possible to respond on a real-time basis to risks as soon as they occur.

Risk Assessment

• Identify and analyze the information security risks that can impact the organization.
• Using an advanced risk assessment algorithm that brings together assets, threats and exposure we can now measure risk in real terms.
• Risk assessments can be tailored to run horizontally or narrow scope based on the client requirements and needs at the time.
• A predefined risk evaluation model can be used or can be tailored to business needs and risk management policy.

Risk Register

• Organize and plan mitigation actions for each risk that has been identified.

• Follow up mitigation actions and enforce deadlines for each working package.

Risk Manager

• SWORDFISH risk module address the full risk lifecycle in terms of identification, evaluation and mitigation.
• Risks can be managed and addressed based on tailored risk levels that incur actions based on the potential impact and exposure.
• Mitigating actions are defined and assigned per risk element together with responsible(s), schedules and costs. An underlying ticketing system, which is integrated with the main workflow engine, is engaged to ensure diversification of responsibilities and a wider engagement of the organization.

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Benefits

How It Works

1. Risk Assessment

Assess risk in real time

SWORDFISH Risk module gives the power to risk management to identify and analyze the information security risks that can impact the organization. Using an advanced risk assessment algorithm that brings together assets, threats and exposure we can now measure risk in real time.

Integrate Asset Criticality, with Vulnerabilities and Threats

SWORDFISH Risk module allows to identify and analyze the information security risks that can impact the organization. Using an advanced risk assessment algorithm that brings together assets, threats and exposure we can now measure risk in real time.
Asset Criticality (which is defined through the Governance module), Exposure that is evaluated based on the Asset Vulnerabilities (Operations Module – SWORDFISH VMC) and integration with threats (SIEM) can provide a real time risk view of the organization within scope.
A predefined risk evaluation model can be used or can be tailored to business needs and risk management policy.

2. Risk Management

Aggregate Risks by business unit, region, infrastructure

Risk assessments can be tailored to run horizontally or narrow scope based on the client requirements and needs at the time. A predefined risk evaluation model can be used or can be tailored to business needs and risk management policy.

Manage full risk lifecycle (identify, assess, mitigate)

SWORDFISH risk module addresses the full risk lifecycle in terms of identification, evaluation and mitigation. Risks can be managed and addressed based on tailored risk levels that incur actions based on the potential impact and exposure. Mitigating actions are defined and assigned per risk element together with responsible(s), schedules and costs.

Collaborate with Security Organization and Track Remediation

An underlying ticketing system, which is integrated with the main workflow engine, is engaged to ensure diversification of responsibilities and a wider engagement of the organization.

Use of embedded risk model or opt for custom

An embedded risk evaluation algorithm is included but SWORDFISH can be tailored to address any risk management model.

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Benefits	How It Works

Integration with SIEM

SWORDFISH integrates out-of-the box with HP Arcsight in order to correlate security events with assets and their associated risks. This way, an asset's risk level can automatically change if security events pass a specific threshold. SWORDFISH can also utilize APIs from various SIEM solutions in order to further integrate security events and automatically raise risks under special circumstances.

Integration with Vulnerability Management Tools

SWORDFISH integrates out-of-the box with Nessus Vulnerability scanner in order to automatically scan and register vulnerabilities for assets. Similar to the security events, a risk level can automatically change given a specific number of vulnerabilities for an asset or a risk can be automatically raised. Besides integration with external Vulnerability Management solutions, Risk module seamlessly integrates with the Vulnerability Management module of SWORDFISH.

3. Reporting

Customized Reporting

Standard reporting for risk assessment exists including a standard set of dashboards to address corporate risk management views and maximum value to the board. Risks can be aggregated based on Business Unit, Geographical Location or Region, Area of Responsibility or group of systems etc. Reports can be customized as per clients requirements.

Global Risk Views and Dashboards

Out-of-the box dashboards include Risks by Criticality, Risks by Status, Risks by category as well as Count of risks by assets and by assigned persons. Users can zoom in and out in order to view risks at global, regional and even departmental level and uncover important KPIs to support decision making.