Component of risk assessment

Prioritising assets critical impact.

## Identify, inventory and categorize assets

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| People | Data | Procedures | Software | Hardware | IoT |  |
| John, Mary, dev and res team |  |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| impact from 0.1 - 1 | Impact of revenue  30% | Impact to finance  30% | Impact to reputation  20% | Impact to research and development  20% | Importance = 100 |
| Research and development team | 0.6 | 0.6 | 0.6 | 0.7 | 62 |
| Mary | 0.4 | 0.5 | 0.5 | 0.6 | 52 |
| Sales data | 0.6 | 0.8 | 0.6 | 0.6 | 69 |
| Orders data | 0.8 | 0.8 | 0.8 | 0.8 | 79 |
| B2B ordering | 0.9 | 0.8 | 0.9 | 0.9 | 87 |
|  |  |  |  |  |  |

Scale each heading in between 1 and 100 %.

## Classify, value and prioritize assets

## Identify and prioritize threats

## Specify assets vulnerabilities

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| --- | --- | --- | --- | --- | --- | --- |
| Assets | Threat | Vulnerability | Likelihood | impact | risk |  |
| B2B ordering | Technological obsolescent | Lack of maintenance | 10 | 90 | 90 |  |
|  | Software attack | Data exposure | 8 | 9 | 72 |  |
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For the assessment identify 2 threats for each asset

## Risk control

Risk appetite and residual risk

1. Defend (put controls in place)
2. Mitigate (reduce the impact of the threats) e.g. insurance can mitigate the impact.
3. Accept (we work out that the cost to put controls in place is to high)
4. Transfer (we can delegate a third party) e.g. back up
5. Terminate (remove the risk)

Threat and vulnerability assessment

TVA

|  |  |  |
| --- | --- | --- |
| Assets/threats | Software attack |  |
| B2B | V1 |  |
| Sales data |  |  |
|  |  |  |
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Having a separate tables of vulnerability

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| Vulnerabilities |
| V1 maintenance |
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