INFORMATION SECURITY MANAGEMENT: PRIMARY AND SECONDARY ASSETS

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ISM: Primary and secondary assets
Agenda

1. Bosch (Software Innovations GmbH): why information security is important

2. Complexity increases

3. Primary and secondary assets

4. A logical approach to primary assets: information security classification

5. A logical approach to secondary assets: information security risk assessment
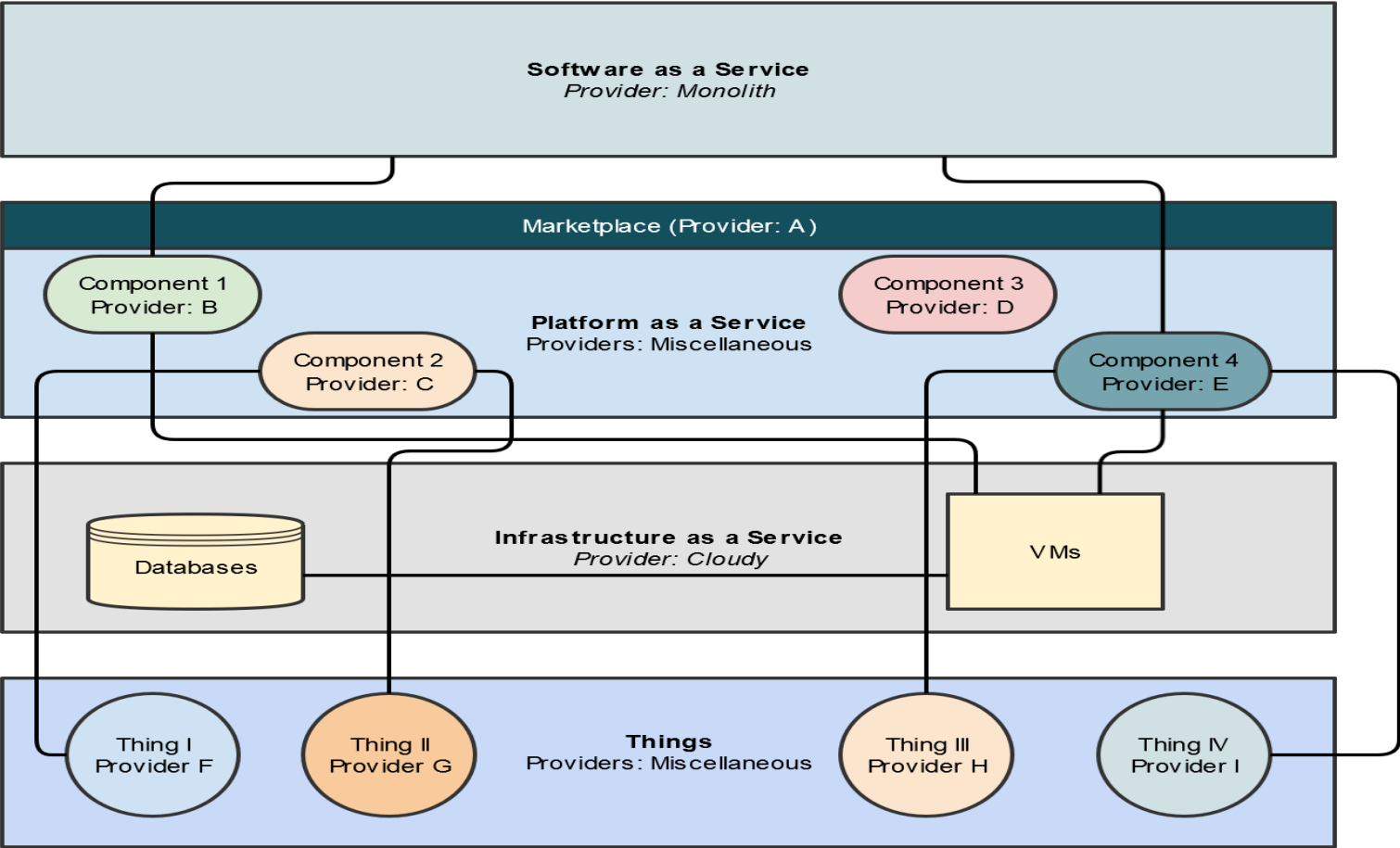
6. Benefit: transparency

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IoT@Bosch
Why information security is important

Connected
BUILDINGS

Connected
HEALTHCARE

Connected
INDUSTRY

Connected
MOBILITY

Connected
ENERGY &
STORAGE

Connected
AGRICULTURE

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ISM: Primary and secondary assets
Cloud environments increase complexity

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ISM: Primary and secondary assets
What´s the difference?

ISO/IEC 27005 :2011(E)

| Property	Primary assets	Supporting assets
Entity	Data	Technics
Business value	Incorporates	Processes
Hacker	Converts into money	Attacks
Typical owner	Customer / consumer	Provider

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ISM: Primary and secondary assets
Typical structure of primary and supporting assets

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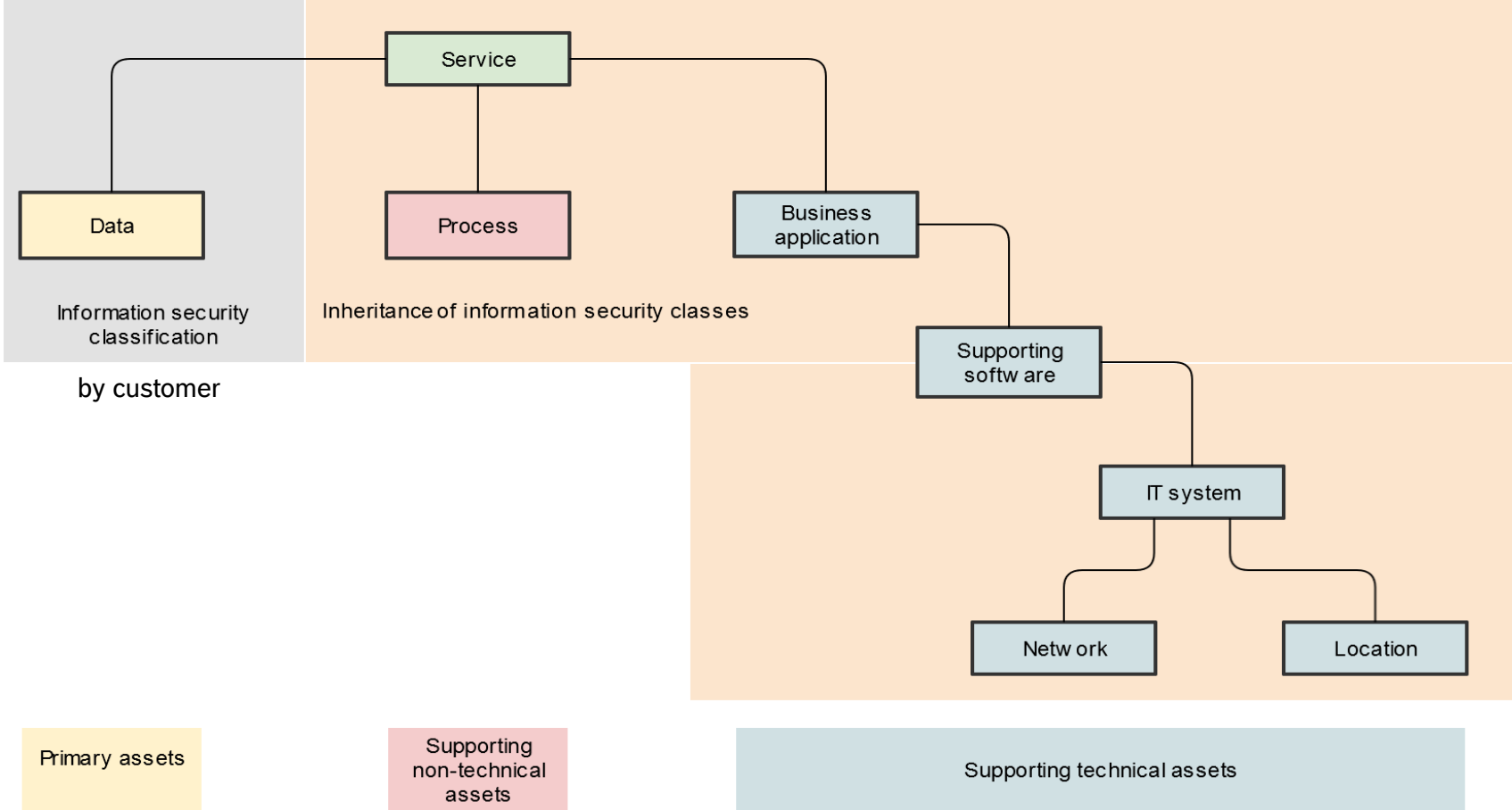
ISM: Primary and secondary assets
## Threat analysis and risk assessment on supporting assets

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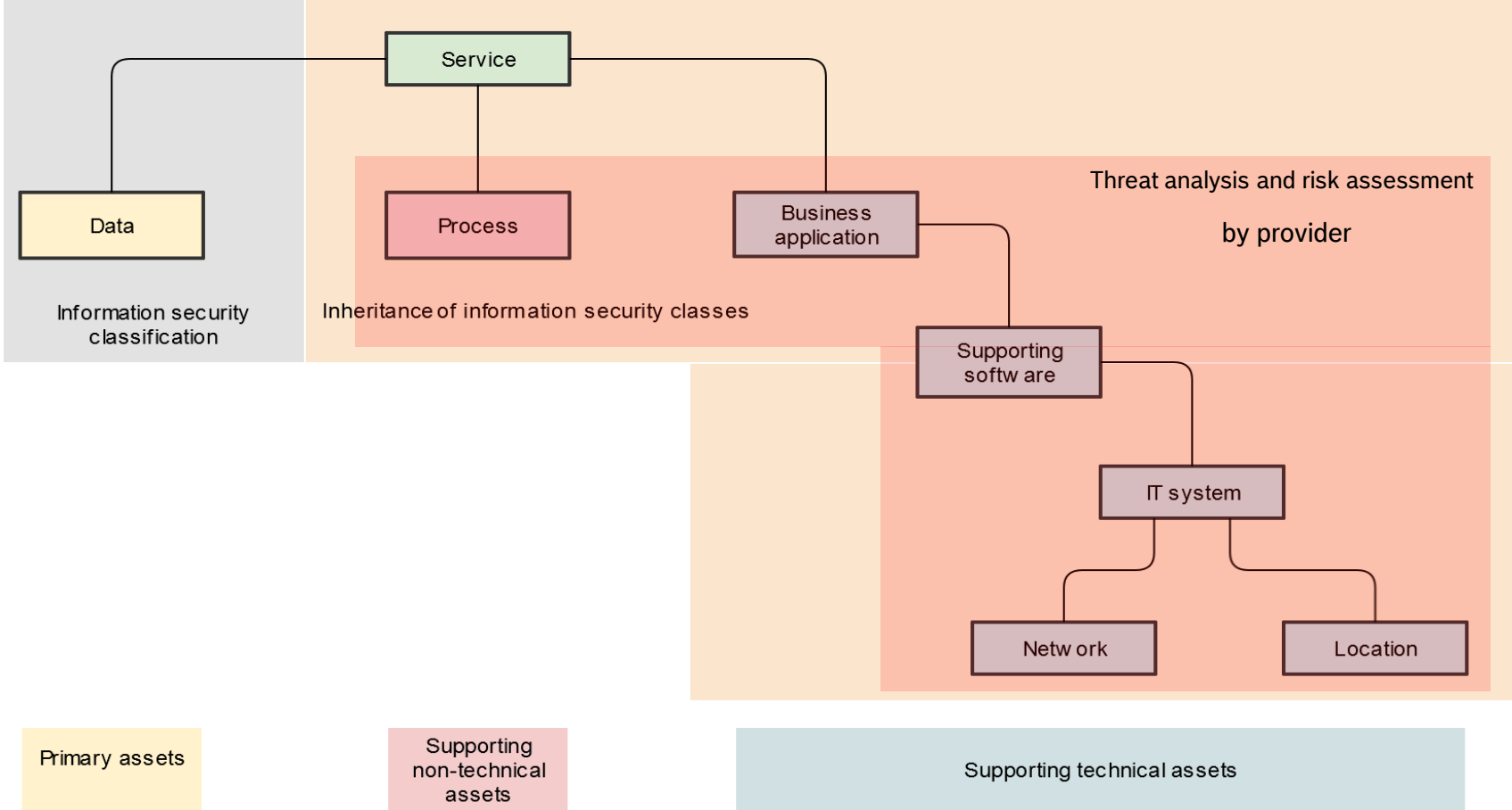
ISM: Primary and secondary assets
Benefit: transparency

Information security level (by classification)	Information security risk level (by assessment)	Consideration(s)
■ (red)	■ (green)	Well done! So well that it is **suspicious**. Double-check to ensure that this is true. If the data is really delicate, there should be some (residual) risk (yellow or even red)
■ (green)	■ (red)	**Weird**! If the data is absolutely not critical, so what´s the (high) risk here? Double-check
■ (red)	■ (red)	Top priority! You should **focus** on that! Best prevent, but at least mitigate or transfer the risk
■ (green)	■ (green)	Lowest priority. You will want to **accept** the risk

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ISM: Primary and secondary assets
Benefit: transparency
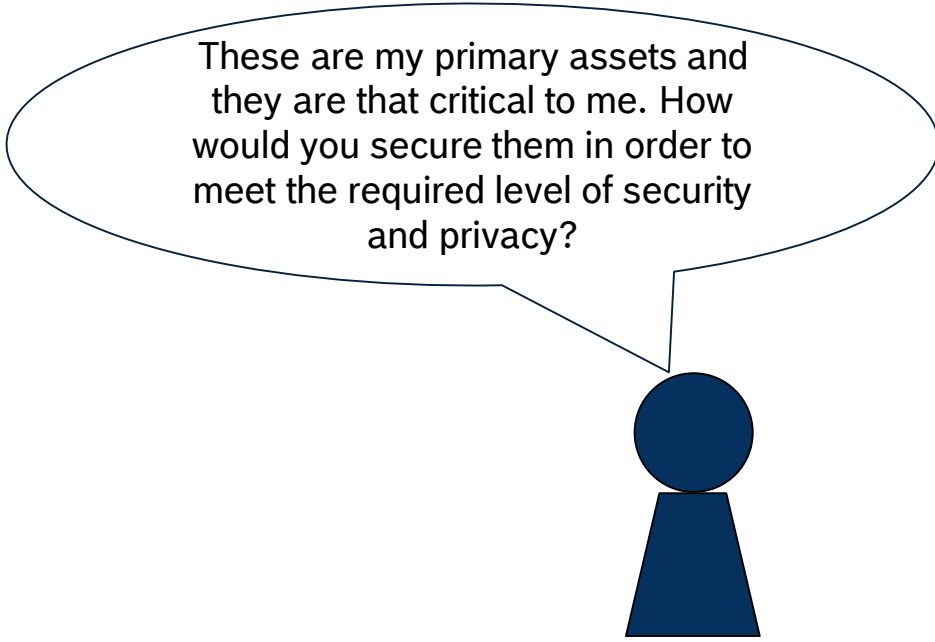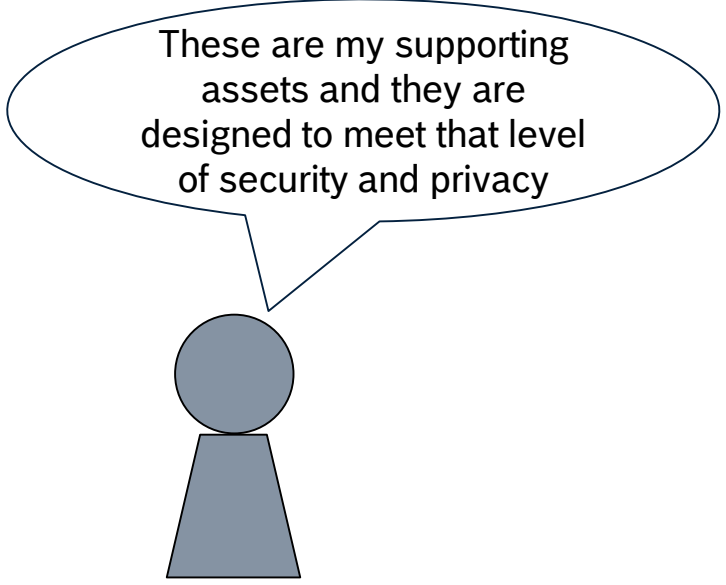
ISM: Primary and secondary assets
Questions?

…Yes!

- Is this approach comprehensible or even obvious?

- Do you know somebody who practices it?

Thanks a lot

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