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Offloading Scenarios

There are many offloading scenarios
Many questions to answer:

• Where to offload from/to?

• Available resources?

• Application requirements?

Increasing Resource Constraints

Increasing Scale, Bandwidth and Communication Latency to Endpoints

Owned by Users

Owned by Service Providers

• Generates data through users and sensors
• Native processing requires no offloading
• No need to share resources
• Limited resources and energy

Endpoint

• Mobile

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Increasing Resource Constraints

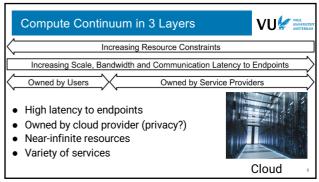
Increasing Scale, Bandwidth and Communication Latency to Endpoints

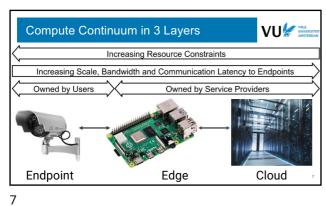
Owned by Users

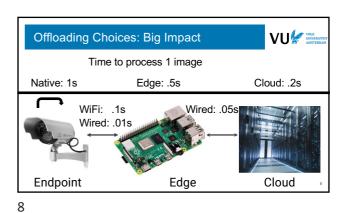
Owned by Service Providers

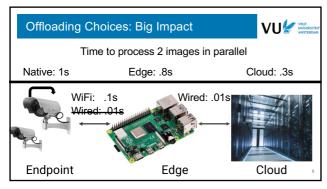
• Limited reliability
• Offload target for endpoint users
AND cloud services

Edge





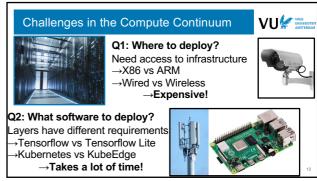




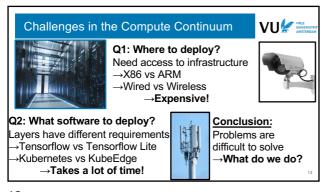
VU W UNIVE Offloading Choices: Big Impact How do I find a deployment in the Compute Continuum that works best for my requirements?

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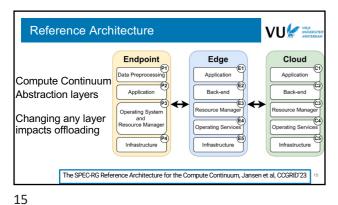


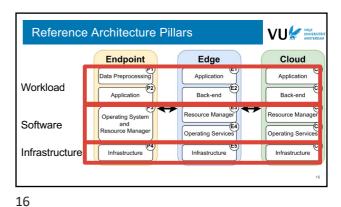
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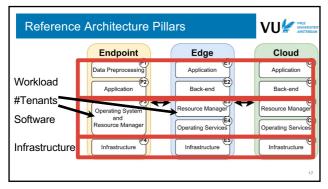


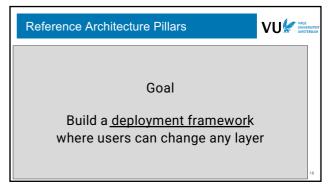
Continuum Automated infrastructure and software exploration for the compute continuum https://github.com/atlarge-research/continuum

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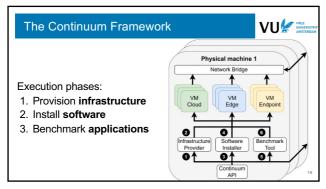


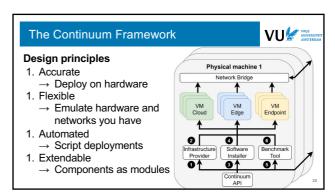




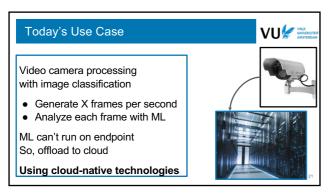


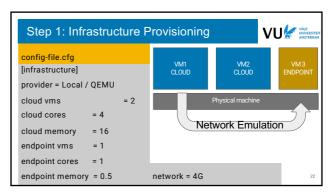
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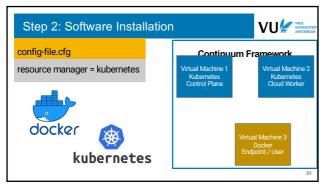


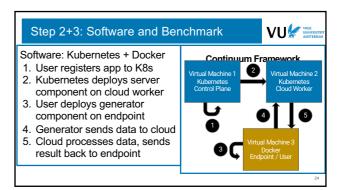
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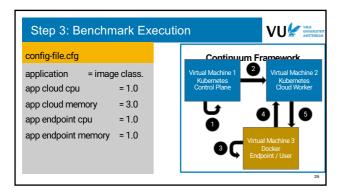


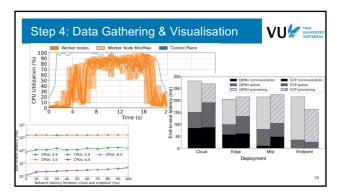
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