

tnc19 Tallinn, Estonia
16-20 June 2019
Forging Digital Societies



In the Clouds

Irish HE in the Cloud - 2019

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8C, Terrace Hall

19/06/2019

- Provide network + above net services
- Customers from 1st to 4th Level
- 220k HE students
- 800k Primary/Secondary students

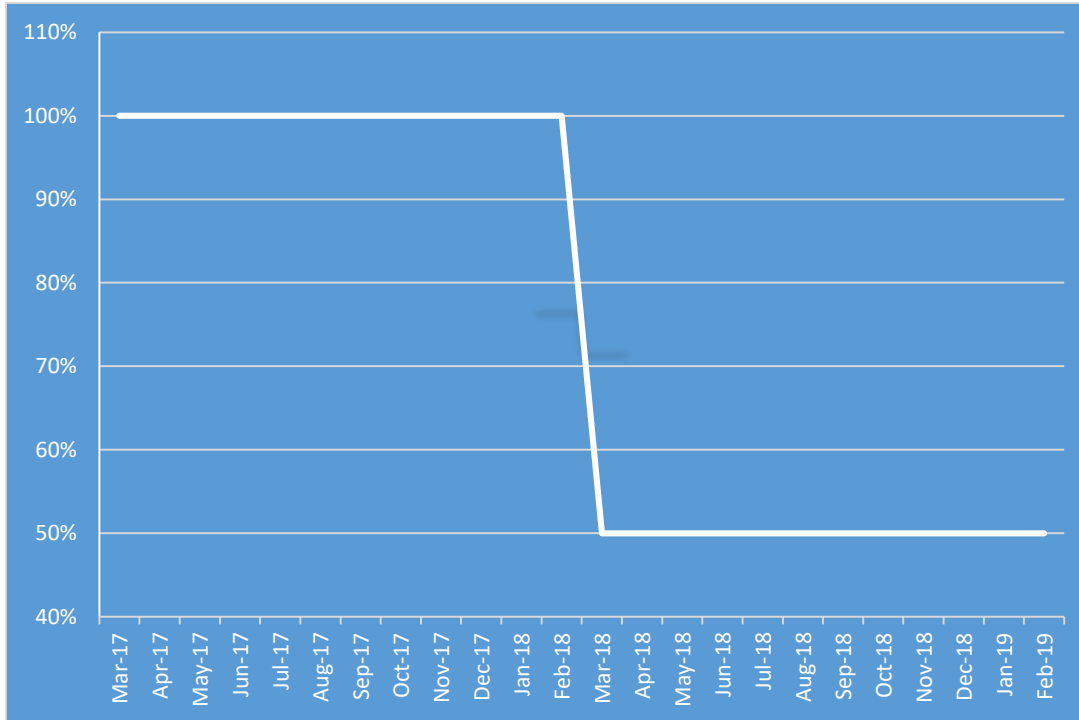
- 34 Clients use the framework
- HEAnet carried out sector wide drawdowns
- Very simple adoption process for clients
- Multi-cloud adoption

- Research group
- Aging hardware
- So what to do....
- Fork in the road
 - Buy more kit
 - Go cloud
- DCU IT services played a key role
- In their own words...



DCU

Monthly Spend Mar 2017 – Feb 2019



Benefits

- Availability increased
- Happier users
- Seamless transition

- Worried about bill shock
- This did not happen
- In fact the opposite
 - They even had money remaining
 - Brought forward some 2019 projects
 - Increased use of reserved instances
- Customers are happier with the service

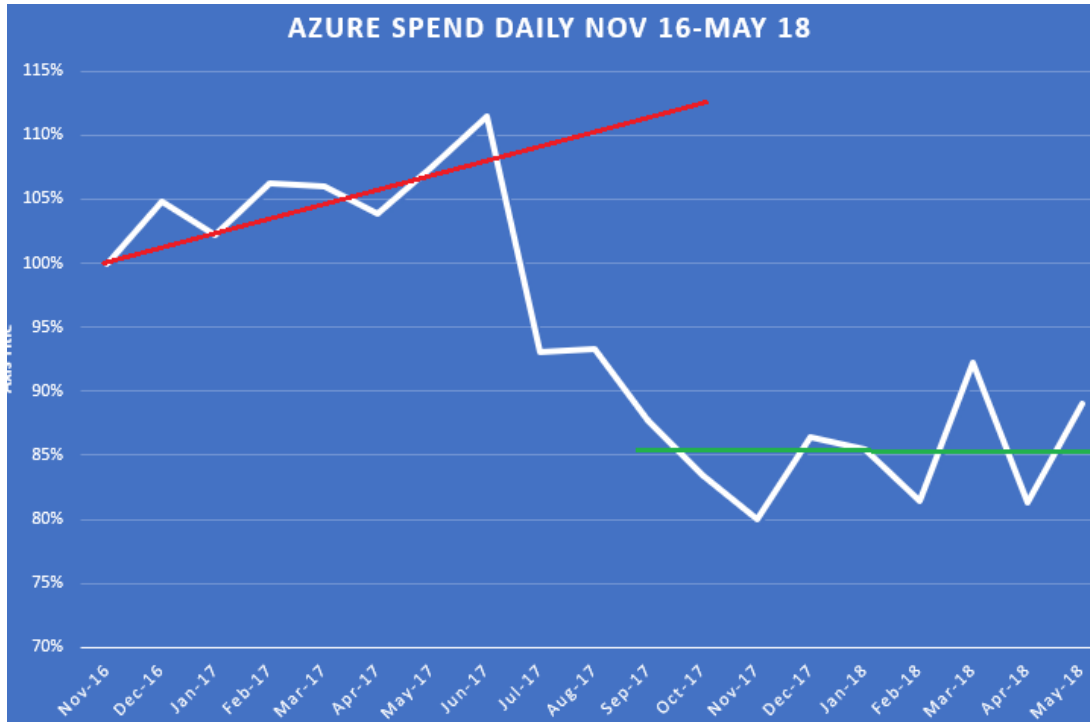
Year 2 plan – Mar 2019 – Feb 2019

- Looking at VM optimization
- New services
- Use the extra time available to support users

What happened after Trondheim

- If you were at TNC18 we presented another user story
- So what happened afterwards...

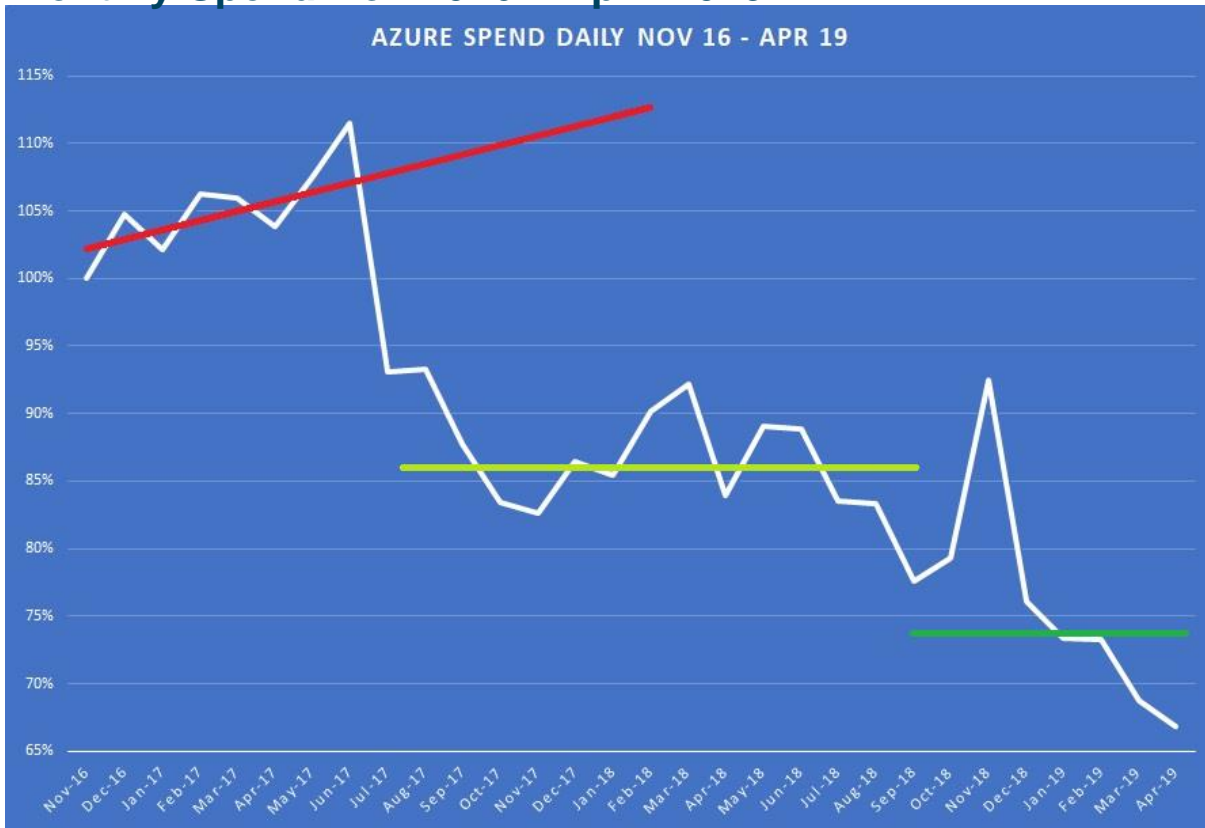
Monthly Spend Nov 2016 – May 2018



Benefits

- GÉANT Framework
- Azure Hybrid Benefit - Campus
- Right sizing
- Azure automation tasks
- Monthly cost would be 33% higher

Monthly Spend Nov 2016 – April 2019



Benefits – phase 2

- Smarter Storage Tiering
- Reserved Instances
- Egress waiver – not to be forgotten
- Needs weeding and feeding

- Cloud is do-able
- Benefits of cloud are real
- It needs curation



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Thank you
Any Questions?

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As part of the GÉANT 2020 Framework Partnership Agreement (FPA), the project receives funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 856726 (GN4-3).