



CSC

ICT Solutions for
Brilliant Minds



CSS Team

Moving a project to Rahti

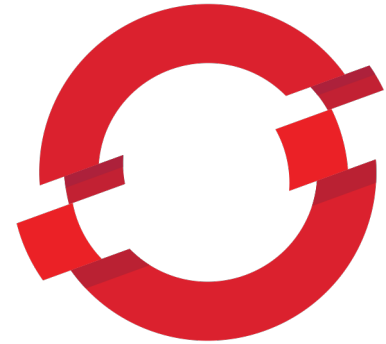
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Rahti

- Service officially released in April 2024
 - Previous version Open Beta
- OpenShift version 4.15
- Kubernetes version 1.28

“Rahti is a shared, general-purpose container service for hosting web projects.”



OPENSIFT

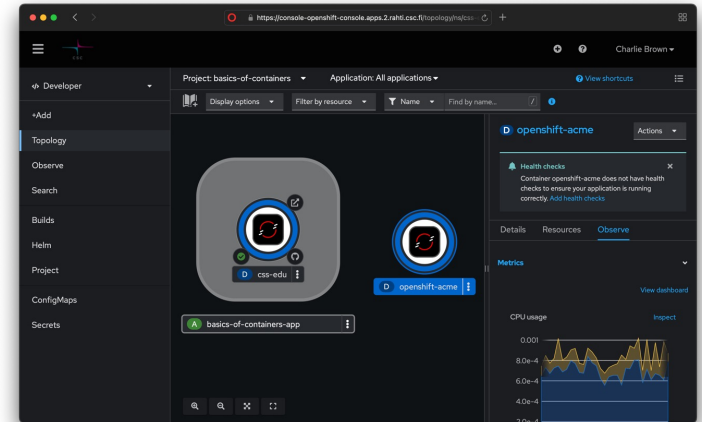
“Move to Rahti” use-cases

1. Start from scratch
2. Move from the open beta (old) Rahti to production (new) Rahti
3. Move from monolithic (e.g. cPouta) environment to container based Rahti



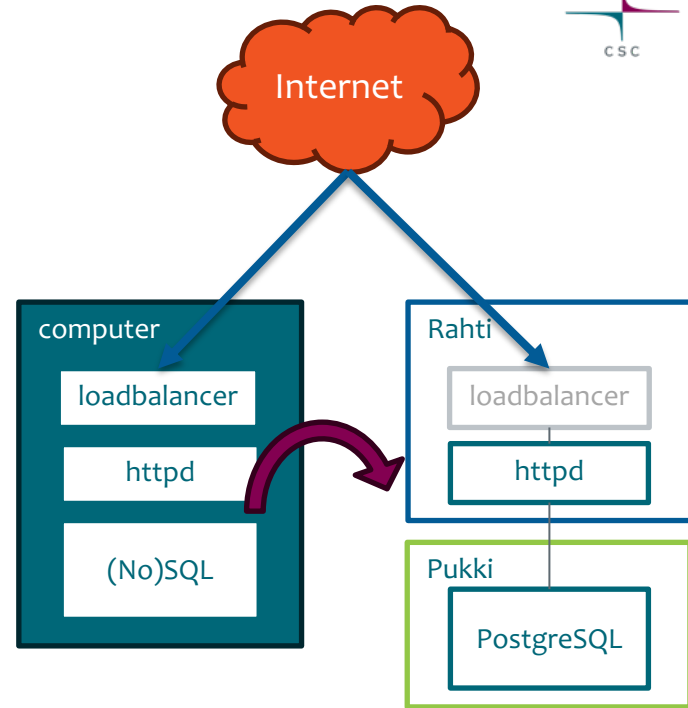
Start from scratch

- Try the Rahti service out!
 - <https://docs.csc.fi/cloud/rahti2/>
- Plan ahead:
 - Needs a separation of handling data and storing data
 - Metrics of data handling workload (CPU, GPU intensive?)
 - Volume and form of data stored



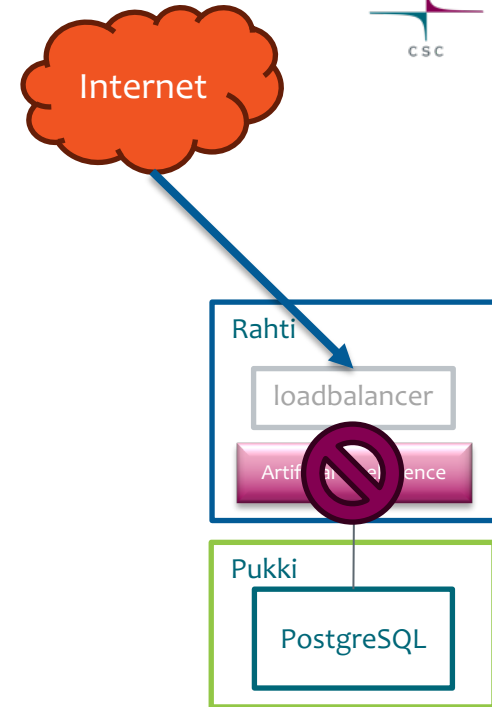
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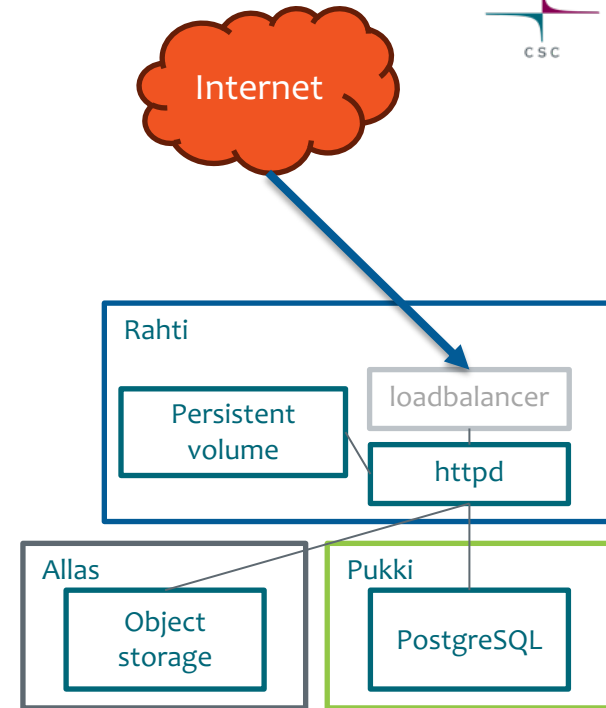
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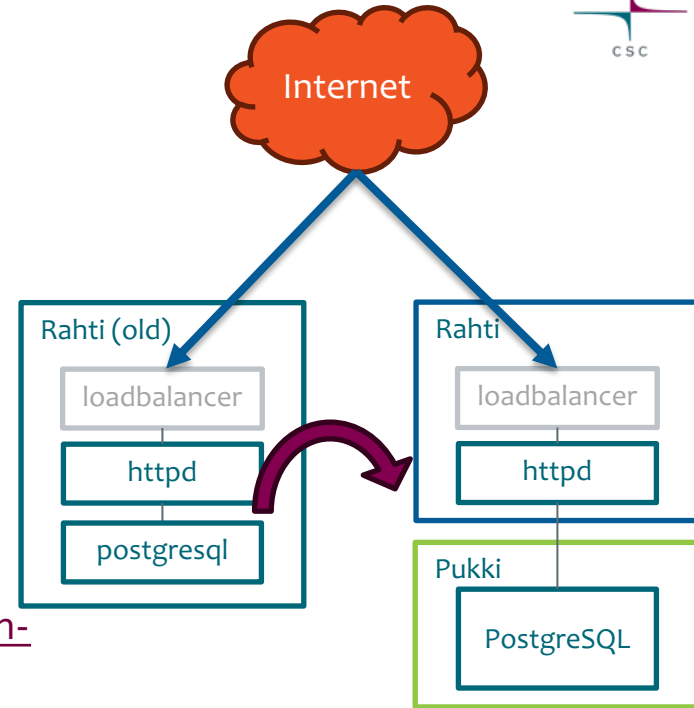
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- Plan ahead:
 - Needs a separation of handling data and storing data
 - Metrics of data handling workload (CPU, GPU intensive?)
 - **Volume and form of data stored**
 - Persistent volume inside Rahti (no RWX)
 - Pukki DBaaS
 - Allas object storage



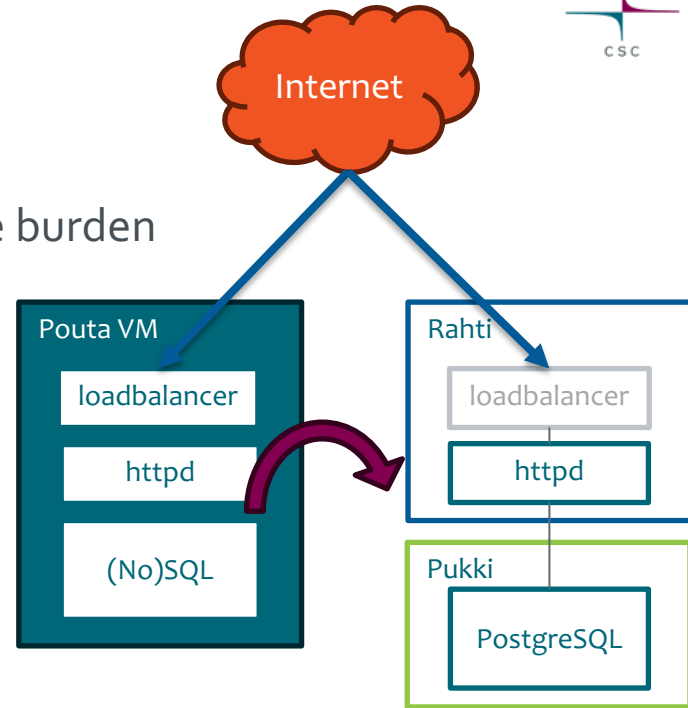
Move from Rahti to Rahti

- Caveats:
 - No transfer automation exists between Rahtis
 - No support for RWX in Rahti
 - Decreased default memory and CPU limits
 - No GPUs
- Updated BU policy:
 - <https://docs.csc.fi/cloud/rahti2/billing/#cost-change-when-migrating-from-rahti-1-to-rahti-2>
- Thorough instructions may be found from here:
 - <https://docs.csc.fi/cloud/rahti/rahti-migration/>



Move from x to Rahti

- Basically the same as with 'Start from scratch' plus the burden of existing data
- More information may be found from here:
 - <https://docs.csc.fi/cloud/rahti2/moving-into/>



General considerations

- Start **now**, especially moving from old Rahti to new Rahti
- Keep old and new project running concurrently until you are happy with the service on the new Rahti
- Shift is a good time to evaluate your:
 - Computing strategy (e.g. 24/7 running VM vs. Rahti components)
 - Data strategy (e.g. Pukki DBaaS and Allas)
- Utilise tools like Helm Charts when possible

... and enjoy the benefits of containerized environment



Be in touch!

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