# NEXT GENERATION ARCHITECTURE PRINCIPLES

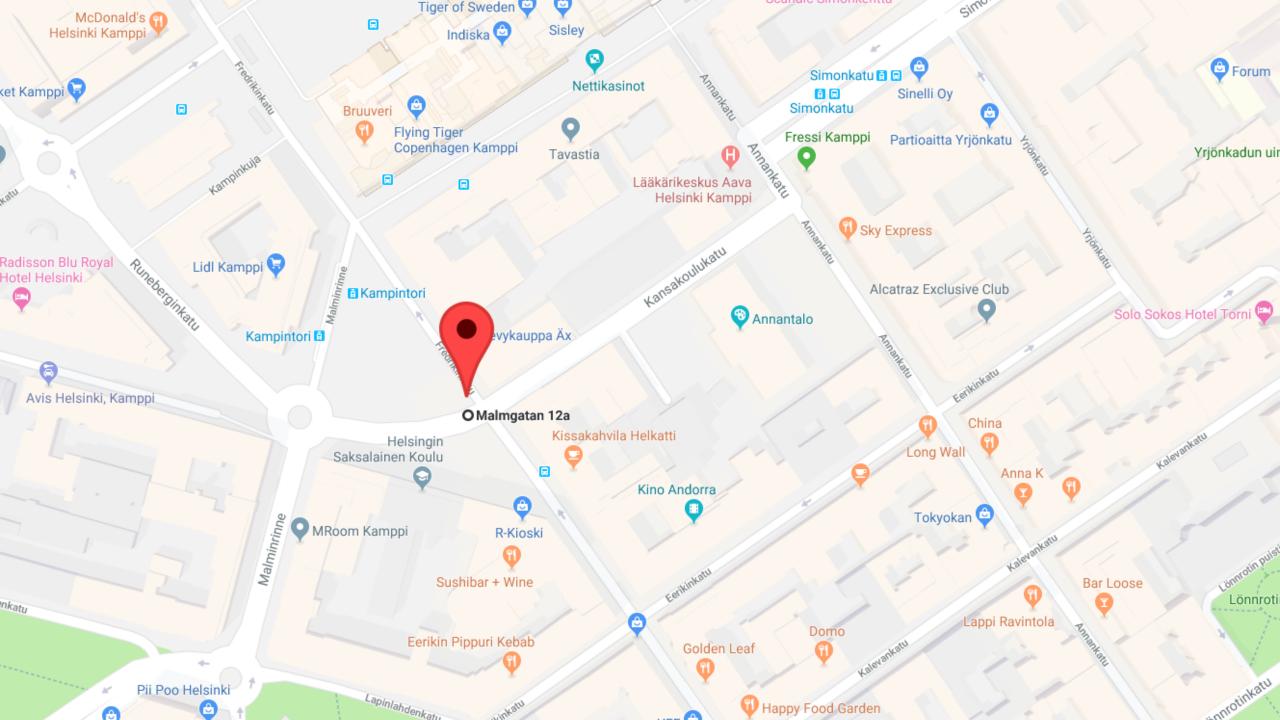
KRISTO VAHER | GCIO OFFICE | REPUBLIC OF ESTONIA

FOR E-ESTONIA







































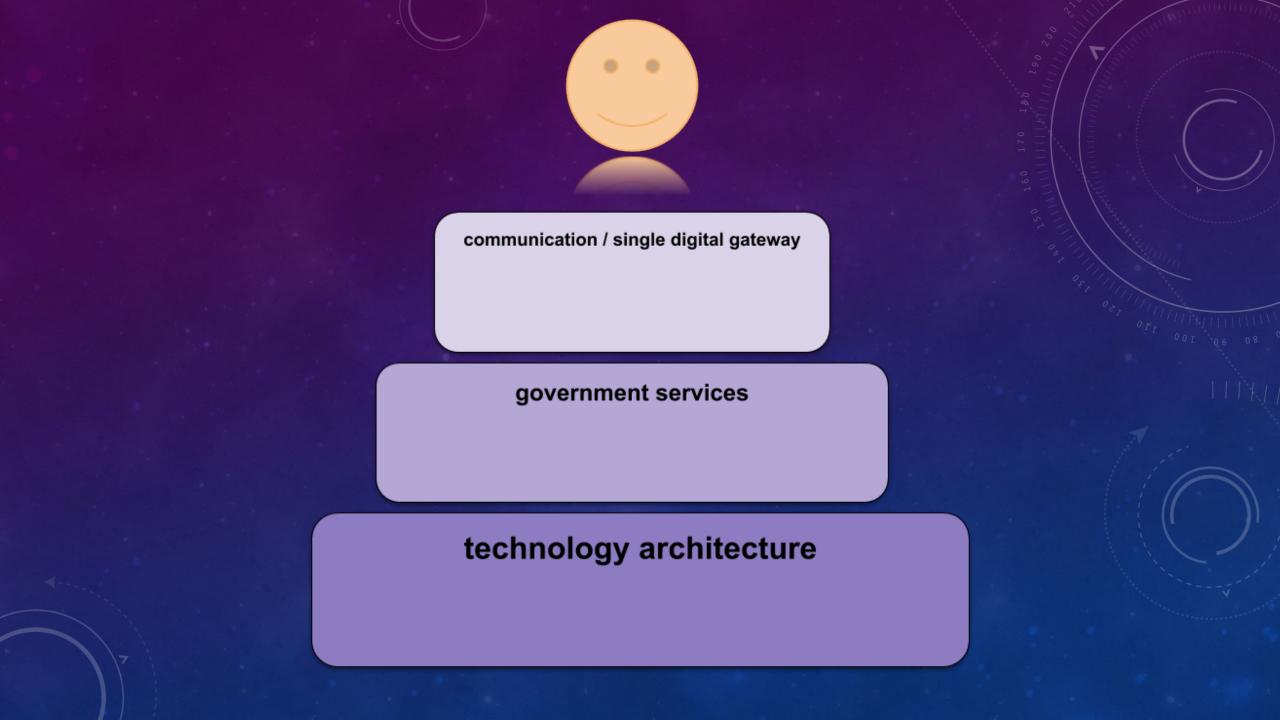
Sullivan Charlie-Ray Isla Jonathan ax Berkeley Jacob Brynlee Evalina Cuka Maple Beau Jose Theodore Luka Maple Beau Jace Joshua alaric amden Oakley Waylon de Signe Ruby Gran Cameron ( Eloise Freyja Gland Jayden Cillian Brox Sophia Cachlan Sumayo Brayden Hal Emma Rowan alexander Cogan Jaxon Rae Lynn alikade 0:0 Abby Hannah Kiko Finnegan & Isabella Abigail Kaylee Bronson & Joseph Leopold Joseph Kellen Light Kast-Hisek

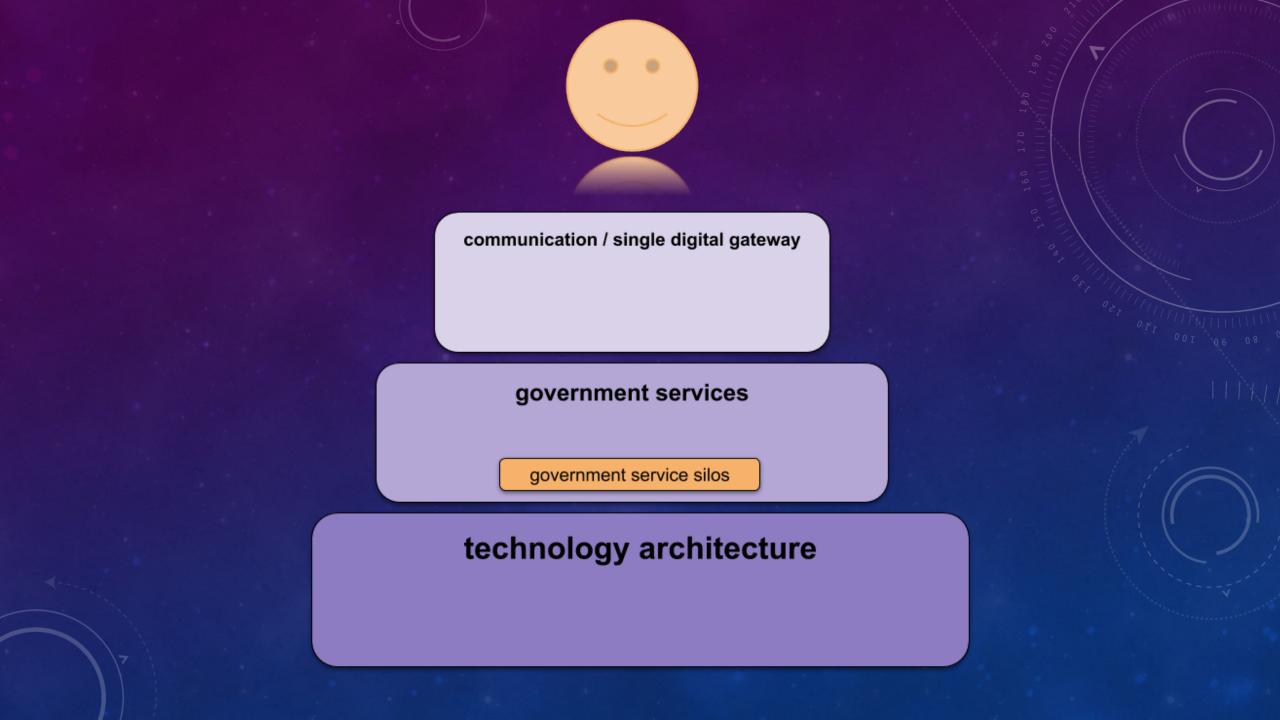
Eine Ruwaida Kendall Officer Kast-Hisek

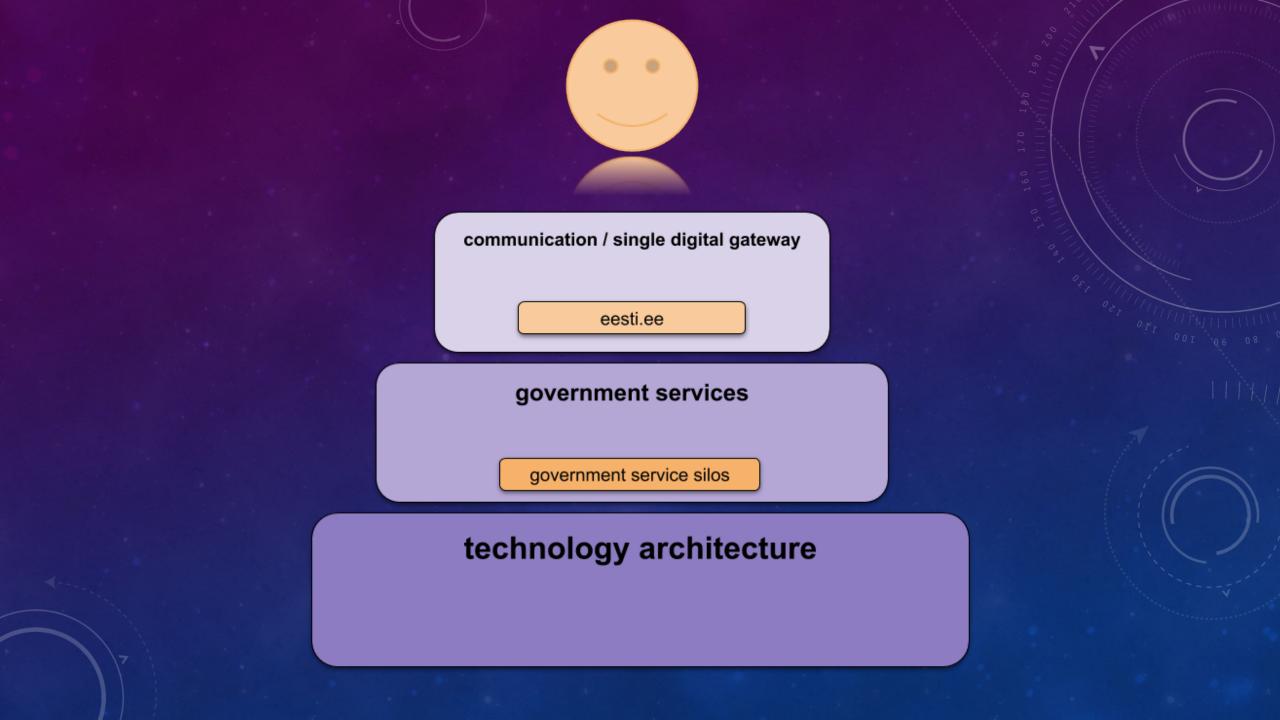
Zeine Ruwaida Kendall Geopold Joseph Kast-Hisek

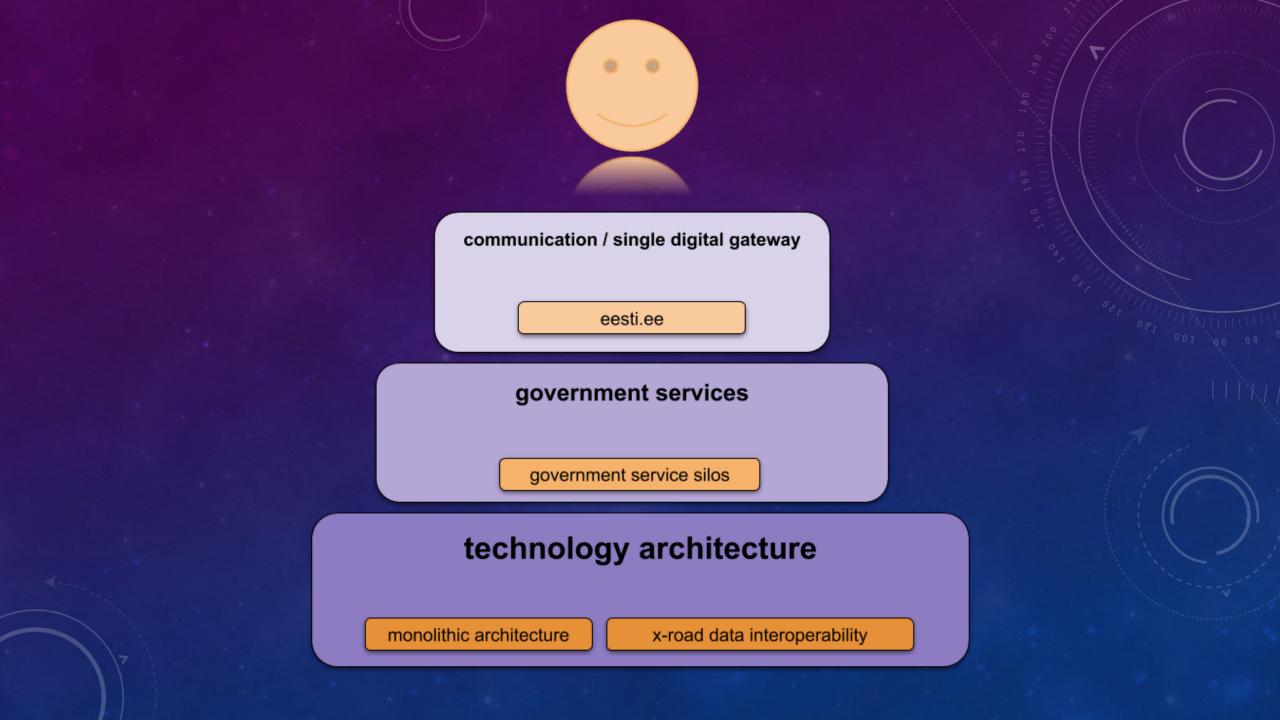
Zeine Ruwaida Kaylee Bronson & Menucha Charlotte

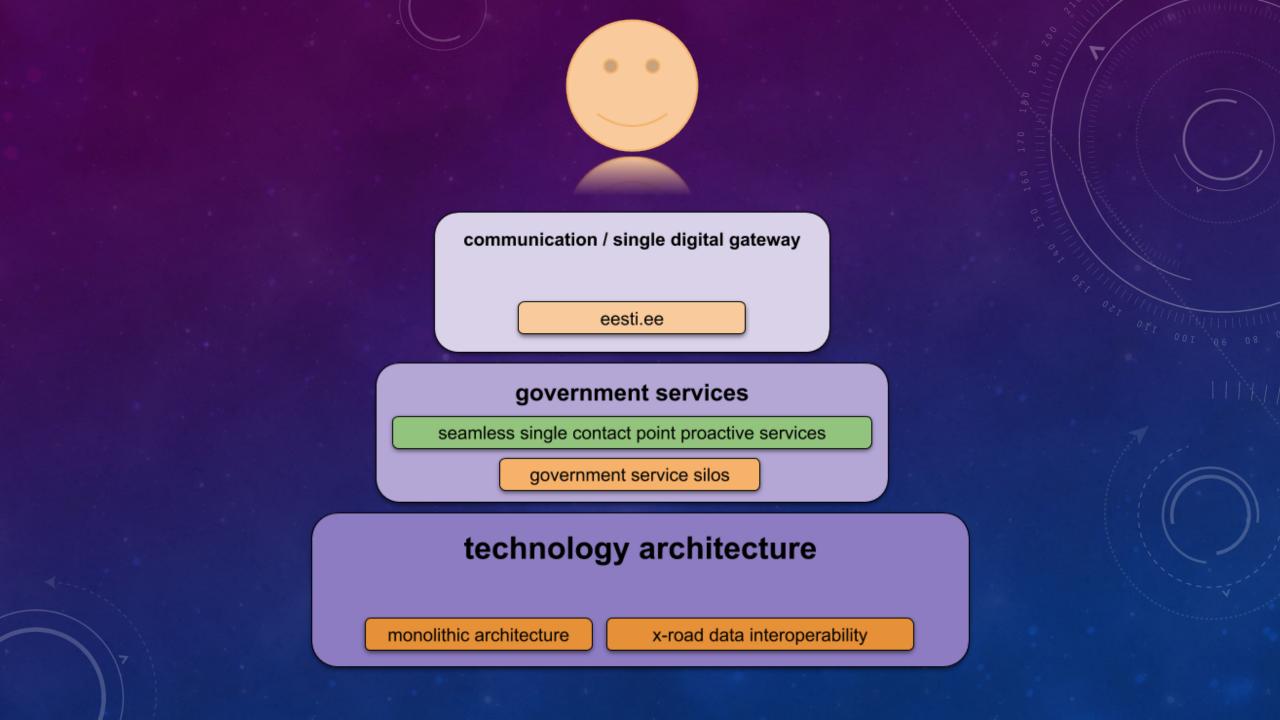
Zeine Ruwaida Norah Teffrey





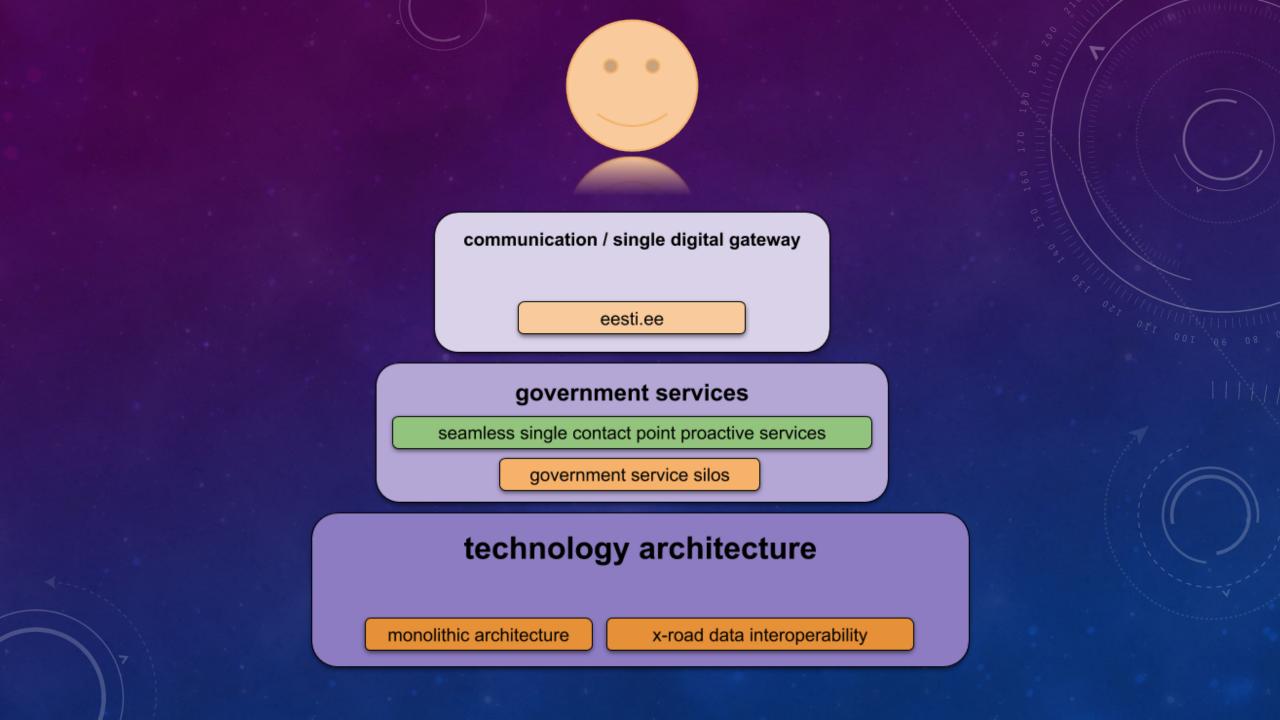


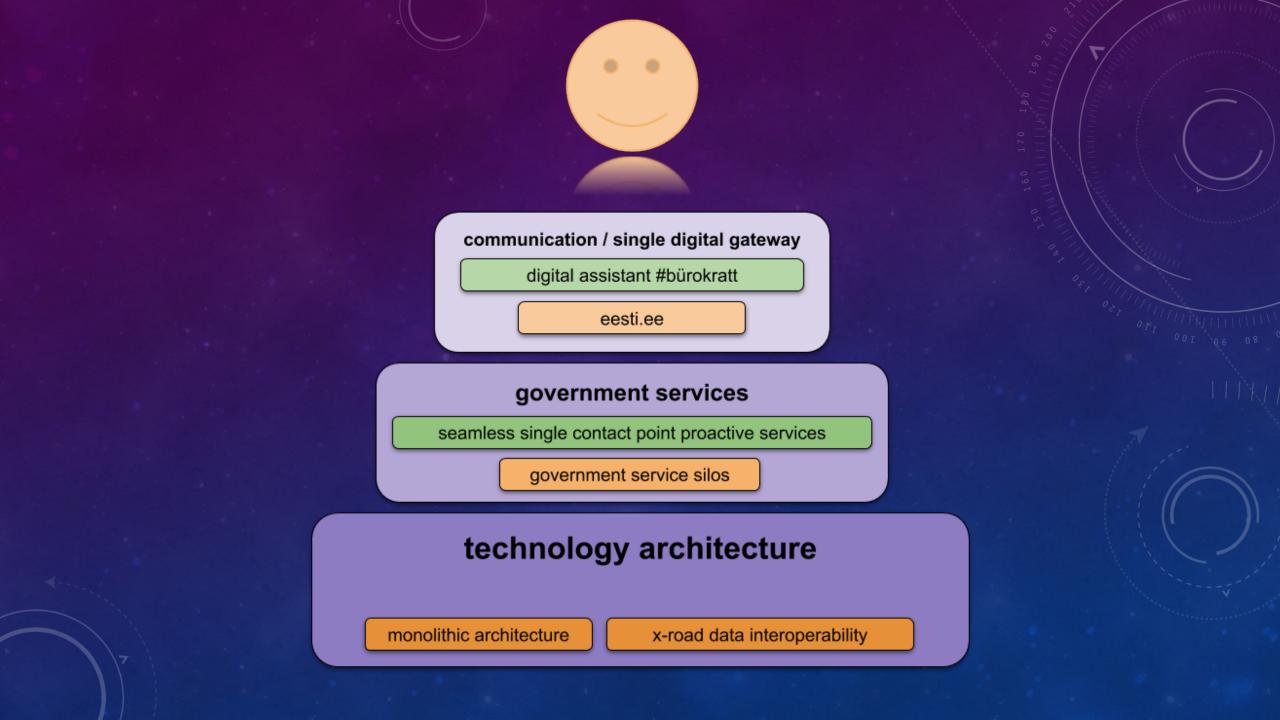




#### PROACTIVE SERVICES

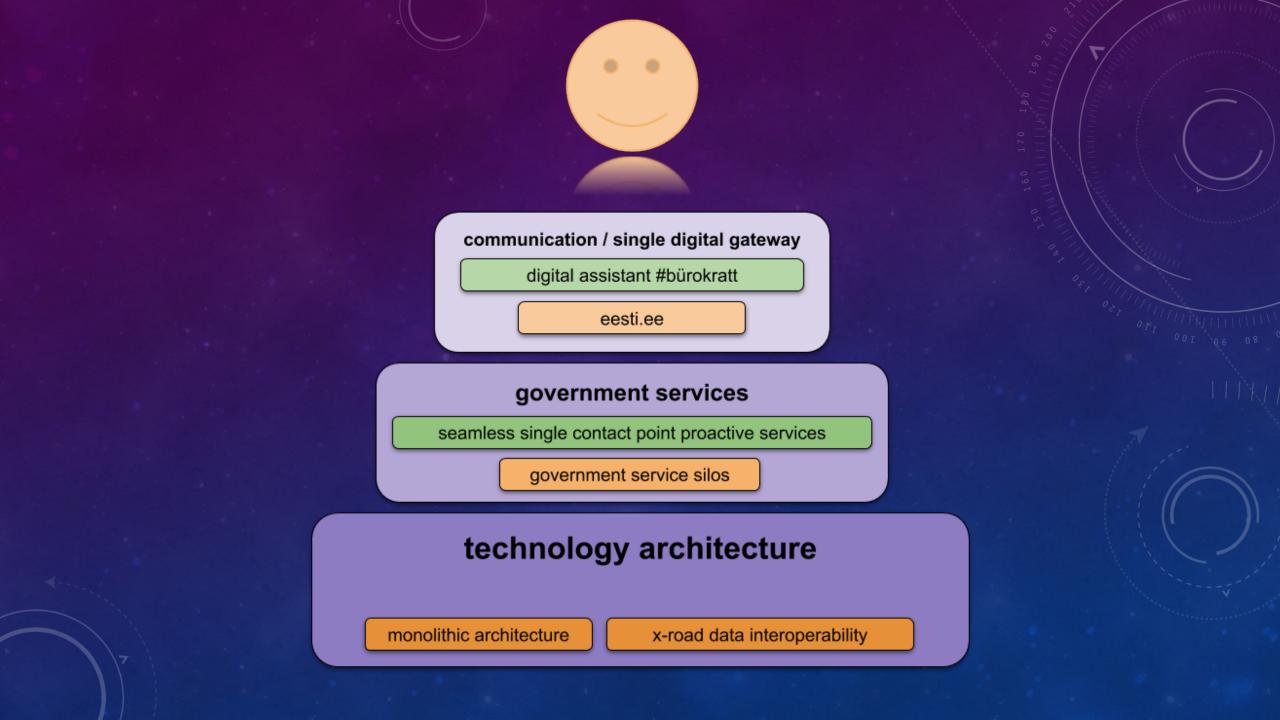
- "public services are going to be made to be user-friendly, proactive, seamless and automatic life event services"\*
   07.12.2018 government approval
- Conway Law and Domain Driven Design
- Business Process Modeling principles and tools
- Interoperability Catalogue

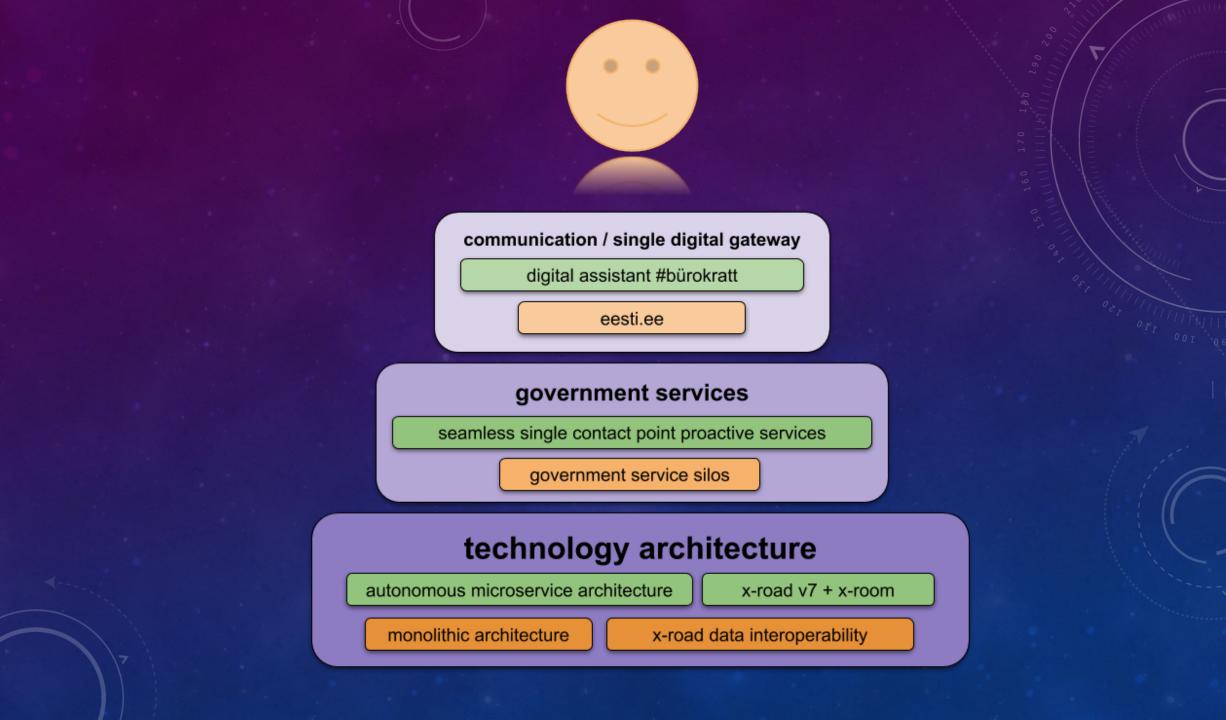




## #BÜROKRATT

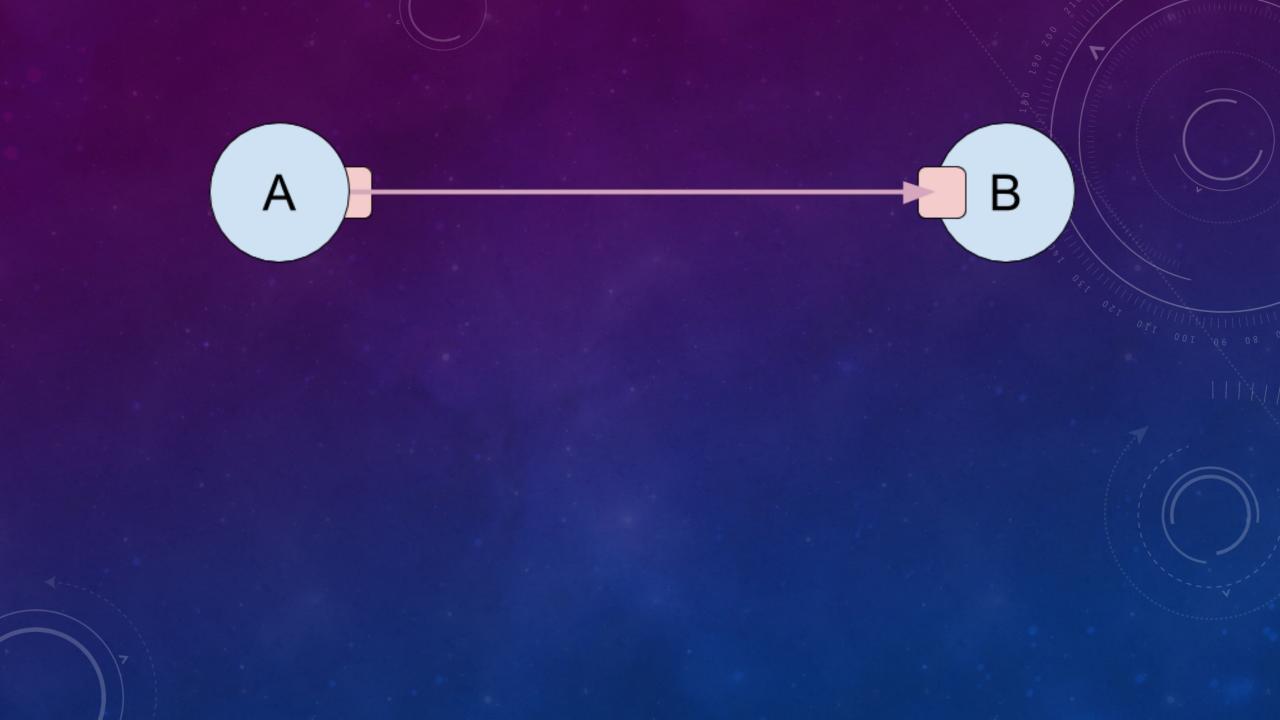
- 28.05.2019 publication of Estonian Al strategy "supporting the use and implementation of Al components and enabling interoperability for the creation of a digital assistent"\*
- Ecosystem of loosely coupled virtual assistants
- Cooperation with big-tech companies for understanding domestic language
- Possible solution for true GDPR and MyData

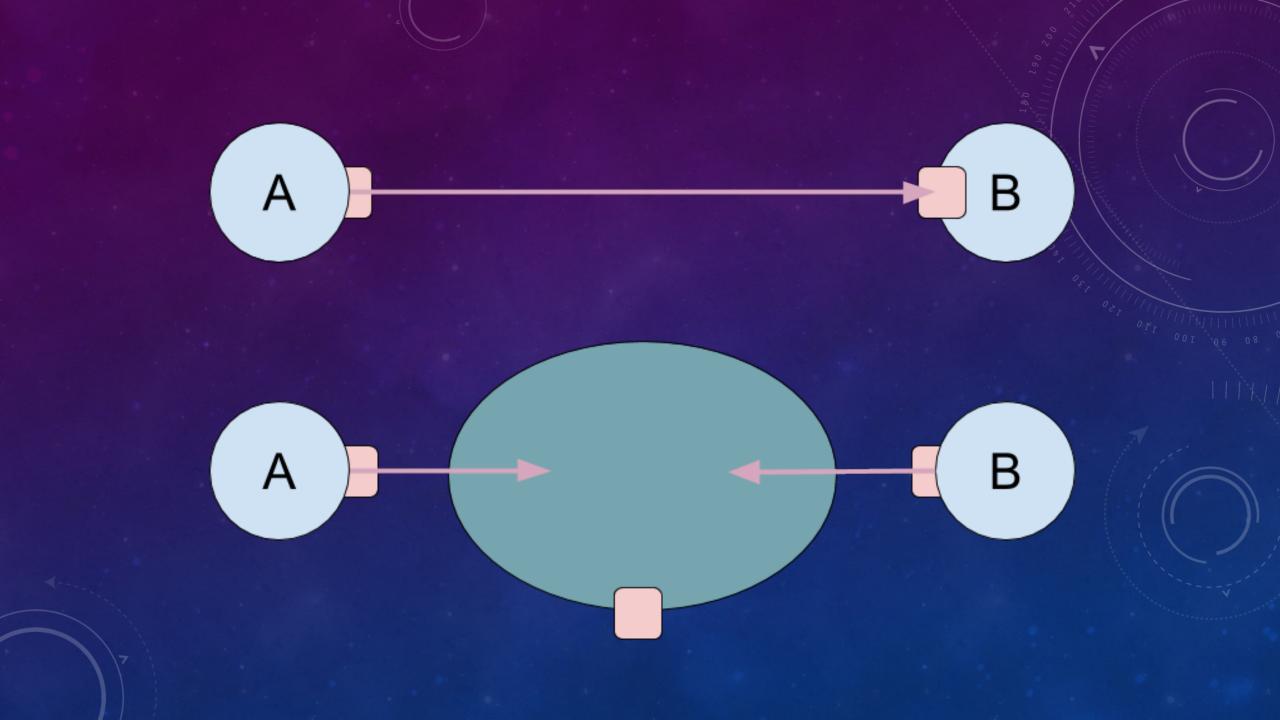


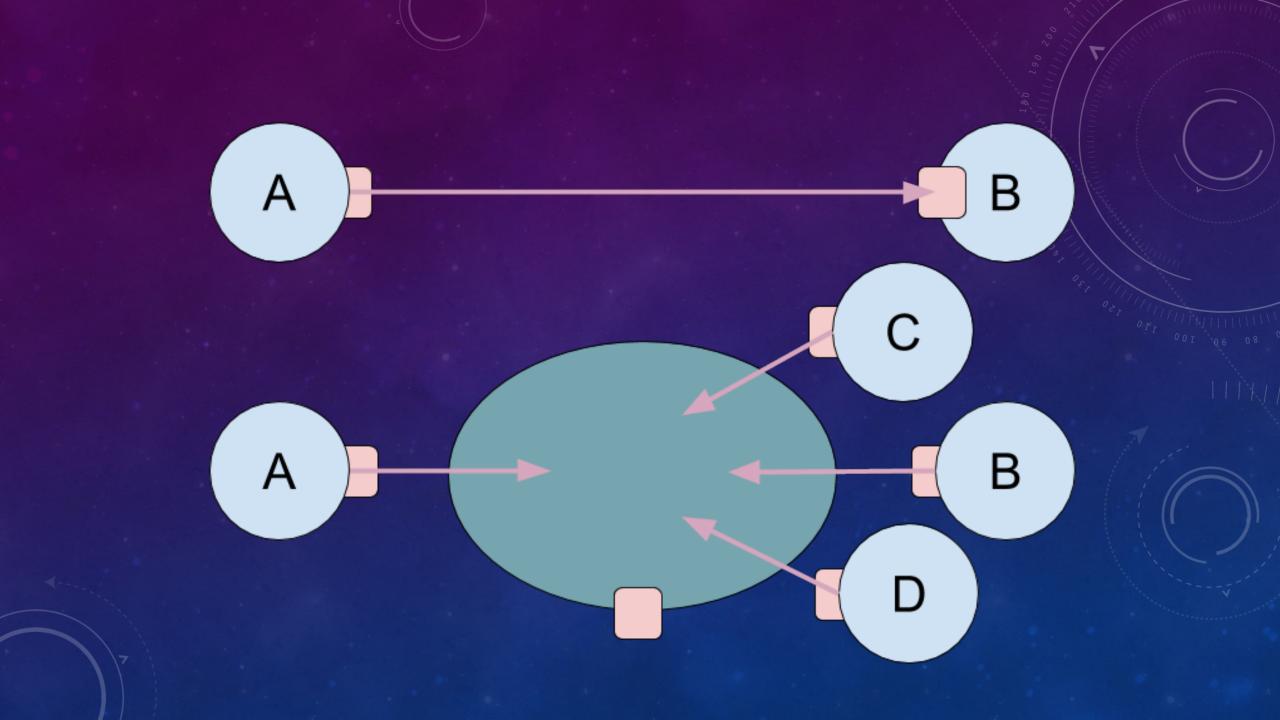


## AUTONOMOUS EVENT DRIVEN ARCHITECTURE

- Evolution of X-Road and support of,,REST"
- Wider adoption of autonomous microservices and re-use
- Cloud native
- Event driven loosely coupled services and the X-Room concept







#### ONWARD

- Don't forget the story
- Some concepts are already being implemented in projects + many are planned as proof of concepts for 2020 and beyond to see what works and what does not
- Next generation will not happen as a Big Bang
- 16.03.2020 publication of Next Generation Digital Government Architecture vision paper

# THANK YOU

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