



Use of Corporate Architecture for IT



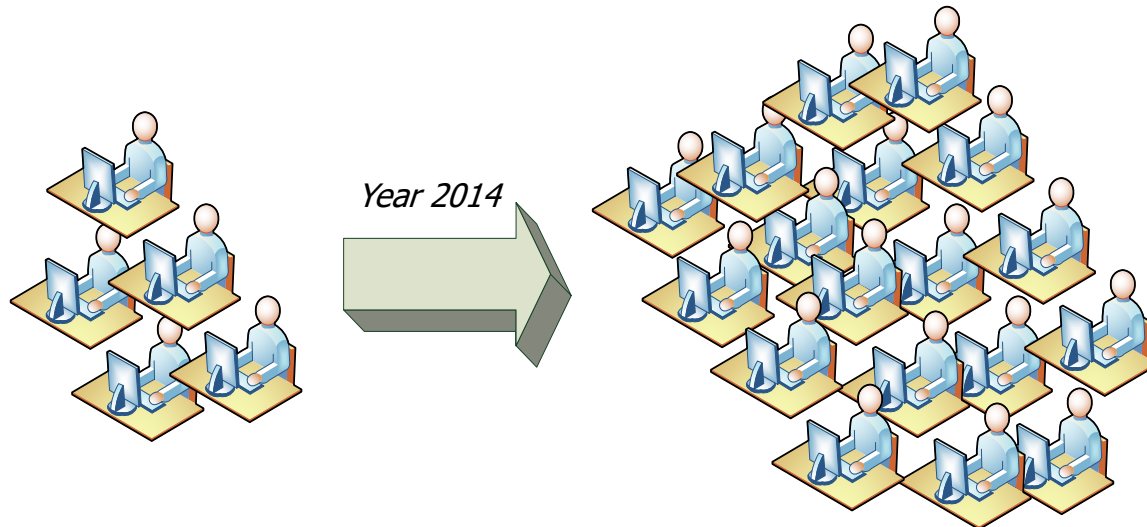
Zpracoval(a): Tomáš Vašica, Alois Slovák

Datum: 17.10.2018



We have introduced a quality management system and an environmental management and audit system

Why Enterprise Architecture?



Regional Corporation = Regional Authority and 221 Contributing Organizations (5 Sectors: Health, Education, Transport, Social, Culture, 17 Segments, 470 Infrastructure Connection Points)

**Increasing user numbers from 700 to around 20 000
(potentially 80 000)**

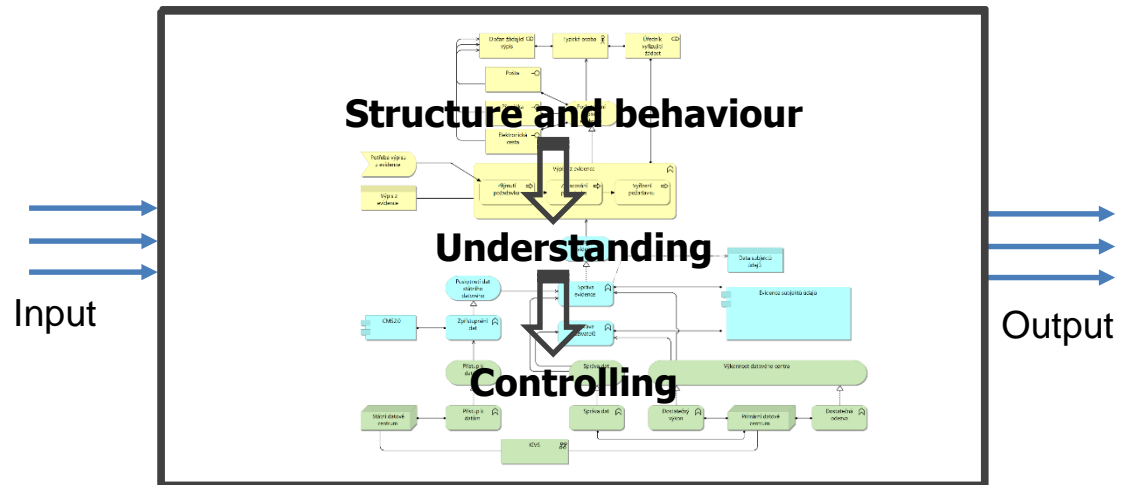


Understanding the Business

Black-Box



White-Box



Typical Problems

- Multiple sources for the same data
- Undocumented interfaces
- Multiple technologies
- Limited re-use
- Problematic changes
- High TCO
- Understanding between ICT management and TOP management



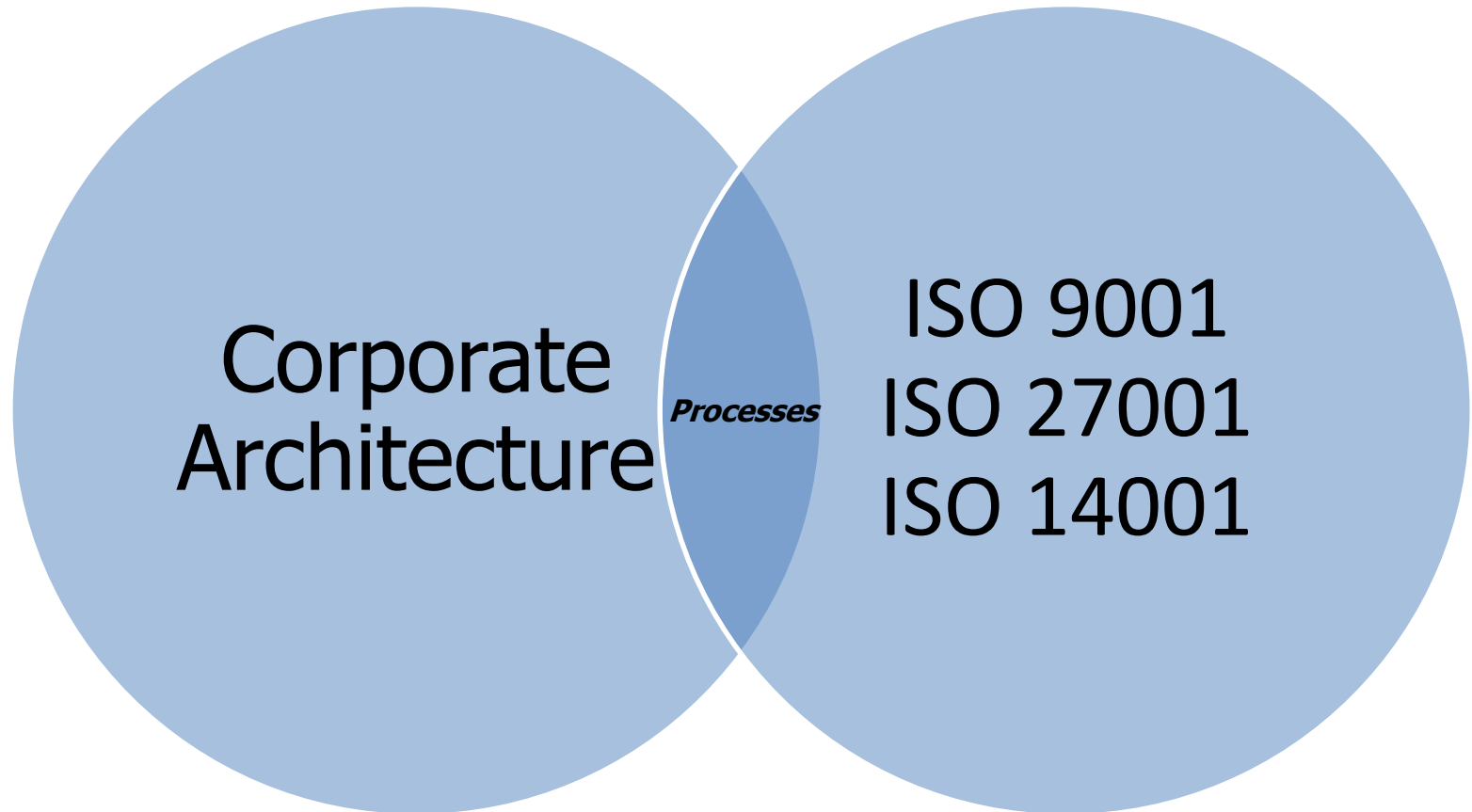


The Benefits of Enterprise Architecture

- Compliance with strategy
- Intelligibility – common language
- Complexity – see things in context
- Different views for different groups
- Order in the documentation
- Relationships between provided ICT services
- Support for development planning
- Support for standardization
- Control tools, reference models



Relationship to Quality





eGovernment

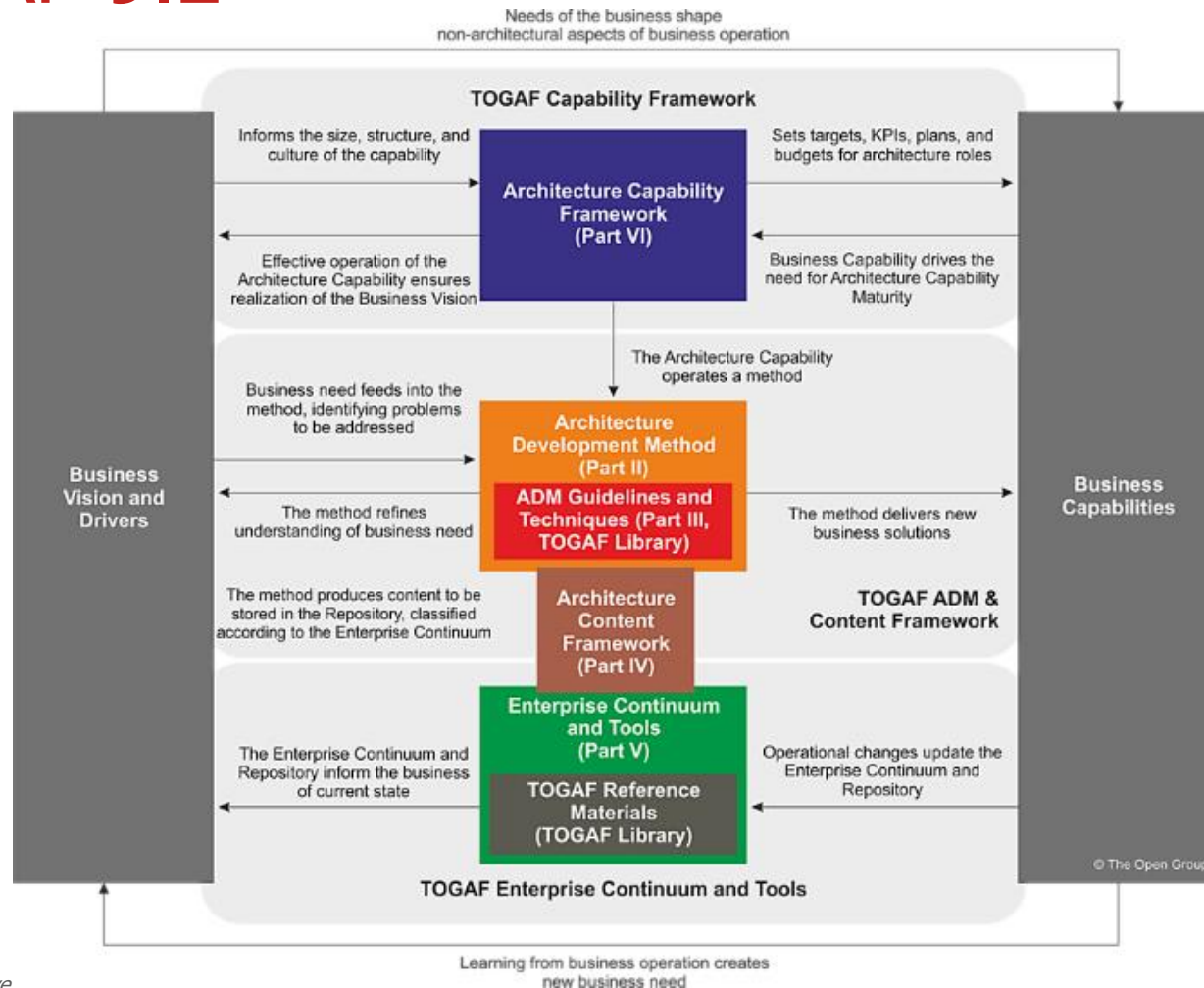
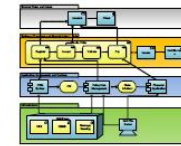
Information Concept of the Czech Republic
(under Act. 365/2000 Coll.)



National Architecture
National Architecture Framework
National Architecture Plan



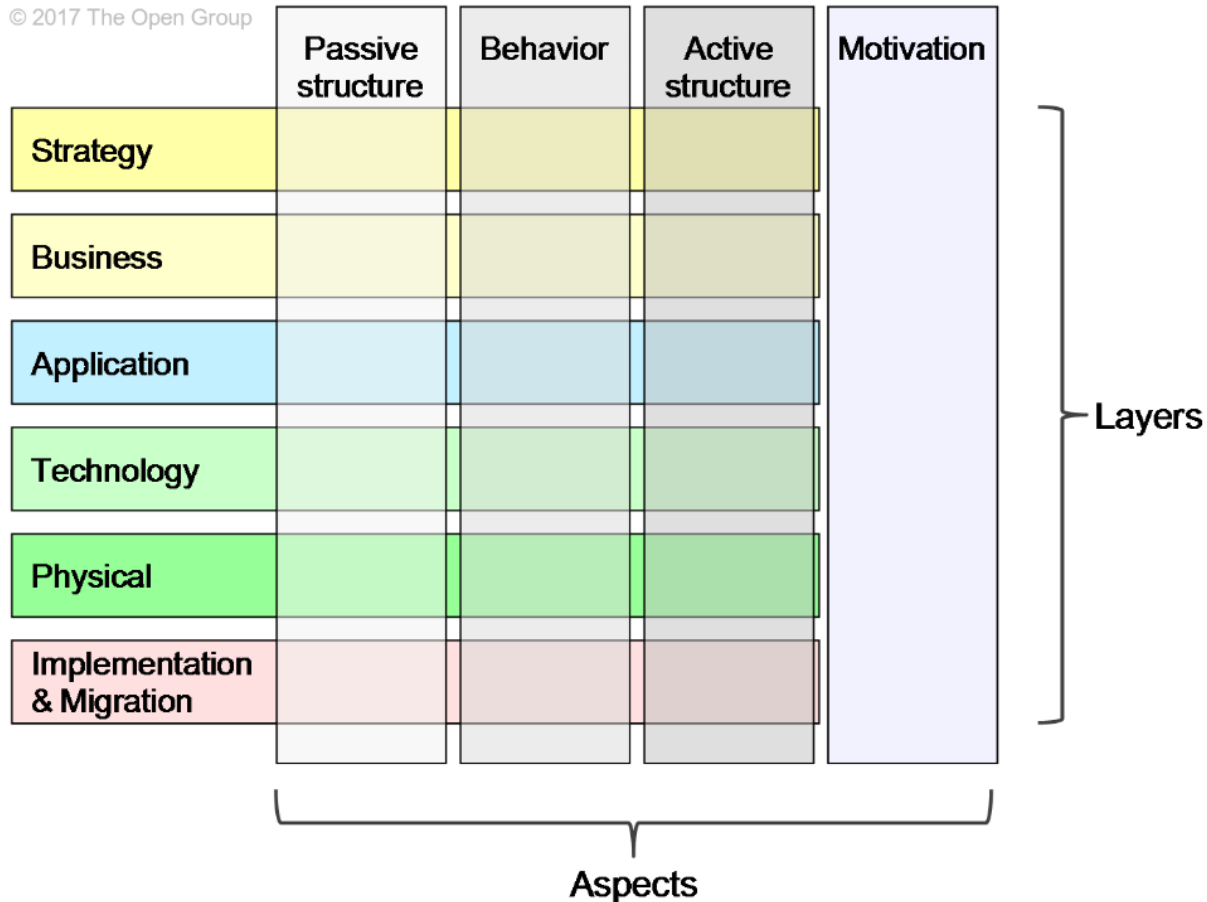
TOGAF 9.2

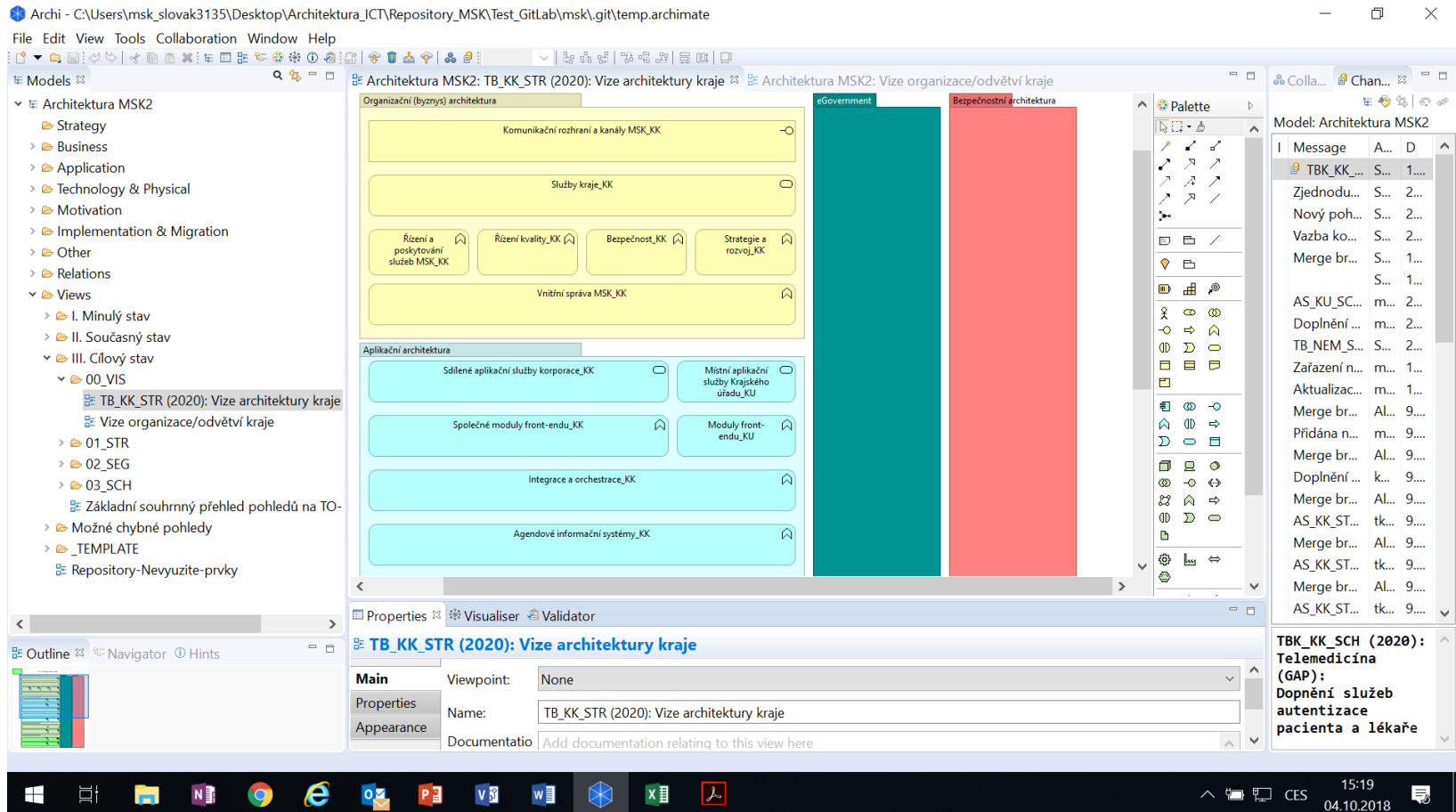




ArchiMate 3.0.1

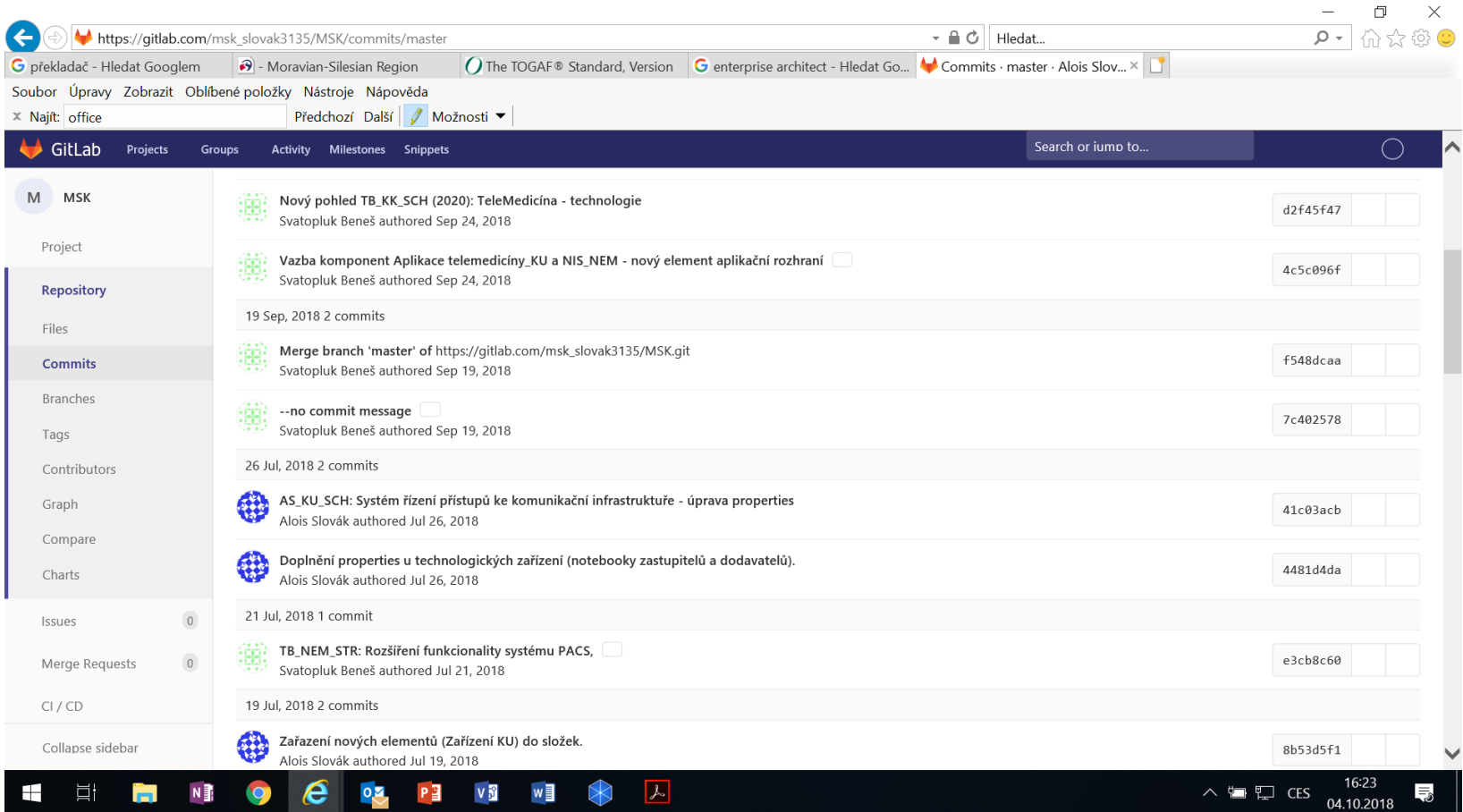
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Collaboration with GitLab



The screenshot shows the GitLab web interface for the project 'MSK'. The left sidebar contains navigation links: Project, Repository, Files, Commits (selected), Branches, Tags, Contributors, Graph, Compare, Charts, Issues (0), Merge Requests (0), and CI / CD. The main content area displays the commit history for the 'master' branch. The commits are listed in reverse chronological order, showing the most recent commit at the top. Each commit entry includes a green commit icon, the commit message, the author's name, the date, and the commit hash. The commits are grouped by date, with a separator line indicating a change in date. The commits shown are:

- Nový pohled TB_KK_SCH (2020): TeleMedicína - technologie (Svatopluk Beneš, Sep 24, 2018, d2f45f47)
- Vazba komponent Aplikace telemedicíny_KU a NIS_NEM - nový element aplikační rozhraní (Svatopluk Beneš, Sep 24, 2018, 4c5c096f)
- 19 Sep, 2018 2 commits
- Merge branch 'master' of https://gitlab.com/msk_slovak3135/MSK.git (Svatopluk Beneš, Sep 19, 2018, f548dcaa)
- no commit message (Svatopluk Beneš, Sep 19, 2018, 7c402578)
- 26 Jul, 2018 2 commits
- AS_KU_SCH: Systém řízení přístupů ke komunikační infrastruktuře - úprava properties (Alois Slovák, Jul 26, 2018, 41c03acb)
- Doplnění properties u technologických zařízení (notebooky zastupitelů a dodavatelů). (Alois Slovák, Jul 26, 2018, 4481d4da)
- 21 Jul, 2018 1 commit
- TB_NEM_STR: Rozšíření funkcionality systému PACS, (Svatopluk Beneš, Jul 21, 2018, e3cb8c60)
- 19 Jul, 2018 2 commits
- Zařízení nových elementů (Zařízení KU) do složek. (Alois Slovák, Jul 19, 2018, 8b53d5f1)



Architecture Models

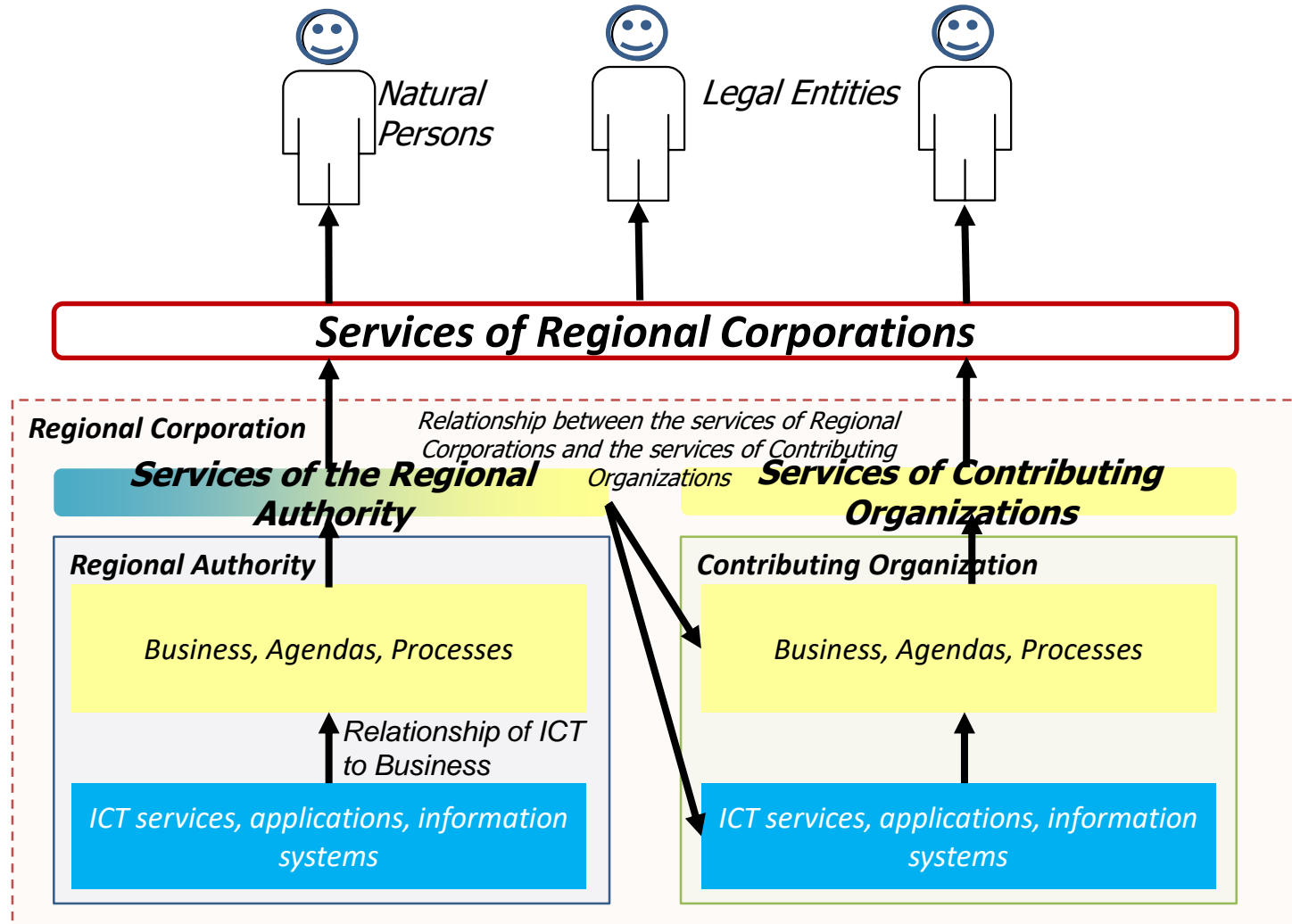
- Crisis Management (1141 elements)
- Regional Corporations (3269 elements)



Approx. 250 diagrams



Architecture Overview





TB_KK_STR: Vize architektury Kraje

Diagram of the Vision





Architecture Governance

Architecture Board:

- Director of the Regional Authority
- Enterprise Architect
- Head of Department of Information Technology (CIO)
- Head of Department of Transportation and Smart Region
- Head of Management Support Unit
- Head of Corporate Governance Office



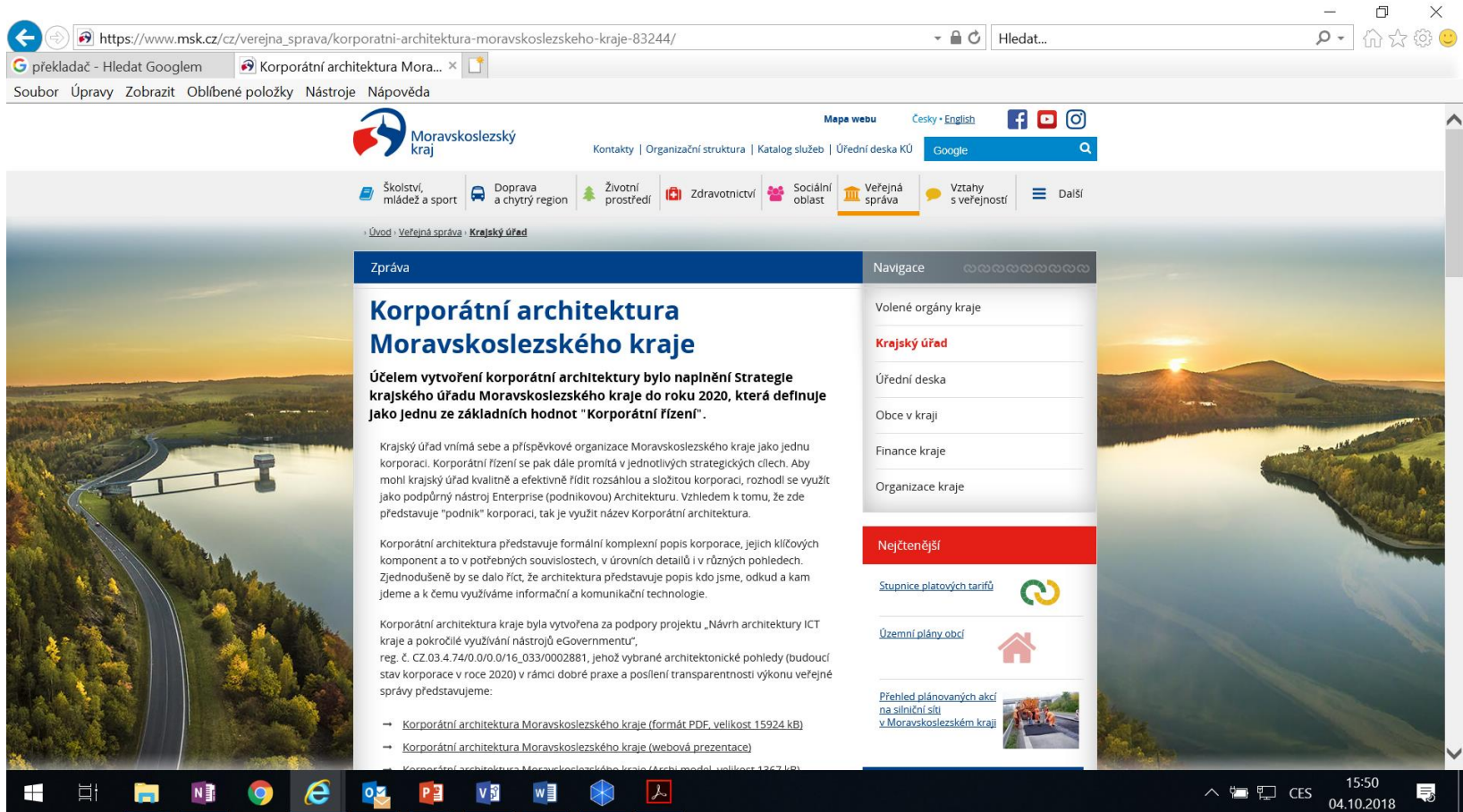
Architecture Management

Architecture Office:

- Enterprise Architect
- Information Technology Department Architect
- Shared Services Architect
- Security Architect



Web Presentation



The screenshot shows a web browser window displaying the official website of the Moravskoslezský kraj (Moravian-Silesian Region). The page is titled "Korporátní architektura Moravskoslezského kraje" (Corporate Architecture of the Moravian-Silesian Region). The main content area features a large image of a winding road through a forested landscape. The text on the page describes the purpose of the corporate architecture, which is to define the region's identity and support the development of the ICT sector. It mentions that the corporate architecture is a formalized, complex description of the region's identity, including its key components and the level of detail in various aspects. The page also includes a sidebar with navigation links such as "Volené orgány kraje" (Elected bodies of the region), "Úřední deska" (Official board), "Obce v kraji" (Municipalities in the region), "Finance kraje" (Region's finance), and "Organizace kraje" (Region's organization). The bottom of the page shows a Windows taskbar with various application icons and a system clock indicating 15:50 on 04.10.2018.



Practical Use

- Architecture model
- ICT standardization
- Architecture principles
- Architecture compliance (checklists, forms)

Award





There is no man in the world who cannot help architecture
Claude Nicolas Ledoux



Thank you for your attention