

From Governance Gatekeeper to DevOps Partner

Evolving Enterprise Architecture for Agile Delivery

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e-on

Agenda

1

Get to know E.ON

2

**Architecture Strategy
of E.ON**

3

**Agile Architecture
Delivery**

4

Lessons Learned

*Get to know
E.ON*

1



About E.ON

It's on us to make new energy work.

We are one of Europe's largest energy companies with the business areas of energy distribution grid, **energy infrastructure solutions and energy sales**. We are playing a leading role in shaping a green, digital and decentralized energy world.

At a glance (financial year 2024)

Employees 76.6 thousand	Customers 47 millions
Energy grids 1.6 million kilometres	Investments 7.5 billion euro
New connections to E.ON grid in Europe >500 thousand	Adjusted consolidated EBITDA 9.0 billion euro

What are our strategic priorities?

Growth



We are leveraging the strong growth potential of the energy transition by doubling our planned investments to 42 billion euros between 2024 and 2028.

Sustainability



We put sustainability at the heart of everything we do, enabling our customers to avoid over 100 million tons of CO₂ annually while reducing the emissions we directly control to net zero by 2040.

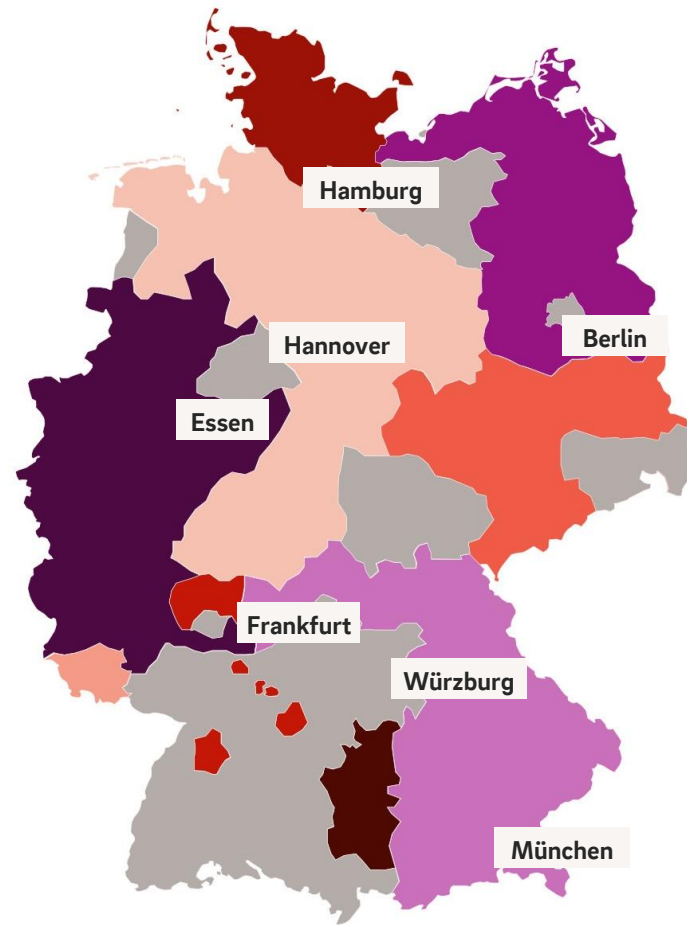
Digitalization



We are transforming the energy world through digital innovation by developing, operating, and scaling technologies and software solutions that digitalize all areas of our business.

About E.ON Digital Technology

E.ON Digital Technology GmbH (EDT) as a legal entity **supports E.ON's business activities** and plays a key role in **driving the Group's digital transformation**. In addition to **commodity technology (IT)**, EDT focuses strongly on **innovative digital solutions and products** for **E.ON's energy networks** as well as for **E.ON's customers**.



More than **1,900 employees** in Germany.



Headquartered in **Hanover**, EDT is located in **15 cities** all over Germany.



Collaboration with digital and IT colleagues from the international E.ON business (DT).

Architecture Strategy

2



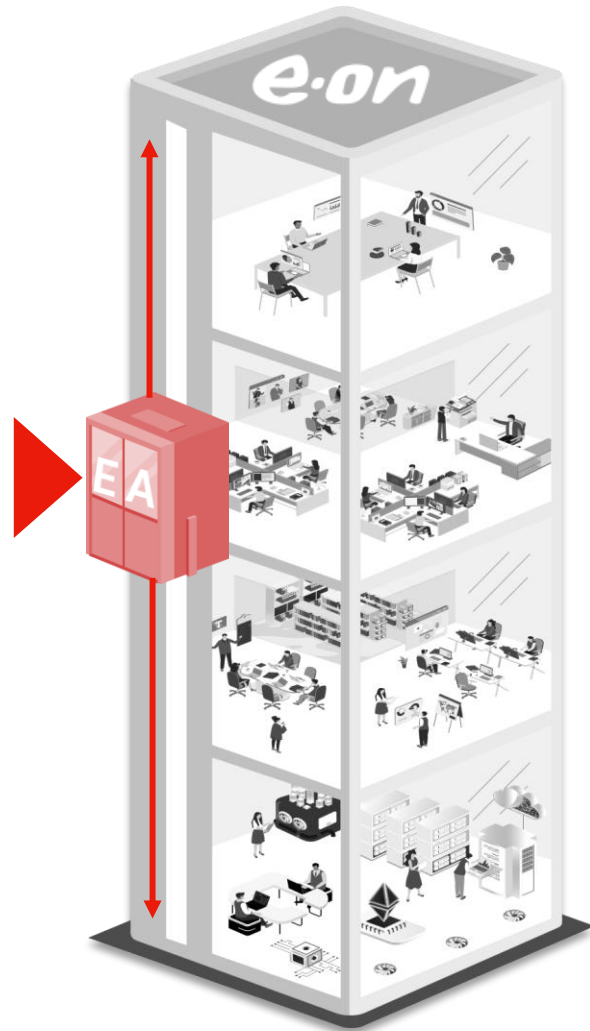
Our Enterprise Architecture Vision

We are the trusted strategic **partner**, seamlessly **aligning business and technology**, and **driving E.ON's digital transformation**. Through innovative, secure, and scalable solutions, we aim to deliver **measurable business value** and empower sustainable growth.



We Enterprise Architects ride the elevator to translate business strategy into the right technology choices

Enterprise Architects **connect strategy with execution** by translating business needs into the right technology choices. They **move across all "floors"** of the organization, **step in to resolve issues** when needed, and **build influence through trust** rather than authority.



Job of an Enterprise Architect

Leadership / Management Board

- Propose actionable, calculated and achievable initiatives.
- Facilitate decision making to acquire funding, and mandate to realize the business strategy and create sustainable business value.

Domain (Area) Leads

- Understand how the business operates, their pain points, obstacles and external pressure points.
- Identify solutions to lead and enable business value creation.

Product Teams

- Help Product Teams refine new requirements.
- Explain required changes and ensure that actions align with the plan.
- Remove friction between people/products/departments to enable change.

Solution Architects/ Engineers

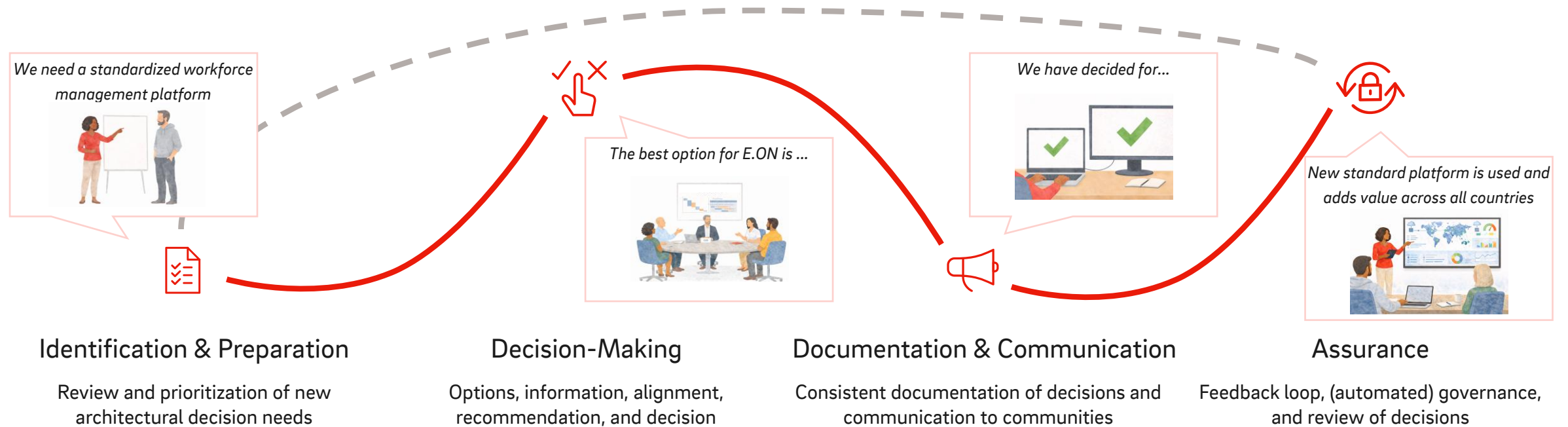
- Talk to the people that implement the changes to ensure they are understood.
- Escalate issues that occur.
- Use information from the "engine room" to adjust the plan.

Agile Architecture Delivery

3

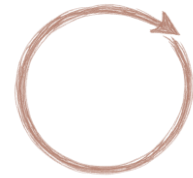
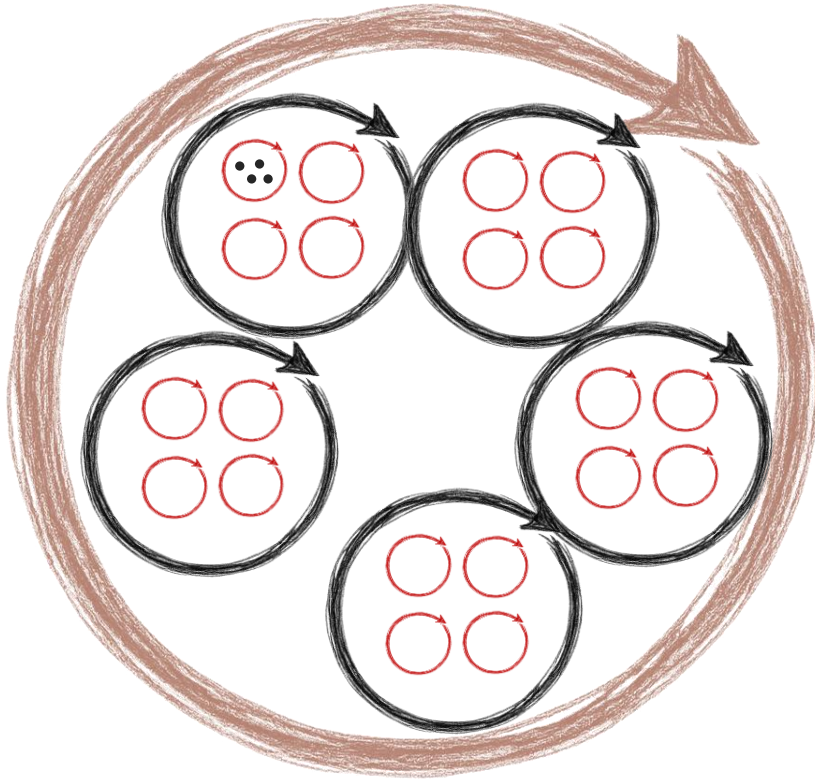


Taking architecture decisions in four steps



Decision-making process in BizDevOps operating model

Structures in our operating model



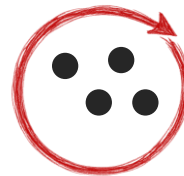
TG Leadership

- Provides strategic technology direction
- Ensures strategic coherence
- Serves as escalation and prioritization body



Segment / Cluster and Domain Areas

- Act as sponsors for architectural decision needs
- In case of discussion on local deviations from standards, leadership team supports clarification and serves as escalation instance
- Segment Leads ensure consistency of technology strategy across international business units for Energy Retail and DSO companies



Domains with Product Teams

- Product teams empowered to take autonomous decisions within enterprise guard rails
- Domain Leads provide guidance for clarification needs
- Domain and Solution Architects are closely aligned with Enterprise Architects on our architectural principles and tech standards

Let us have a look at the typical architecture decision flow

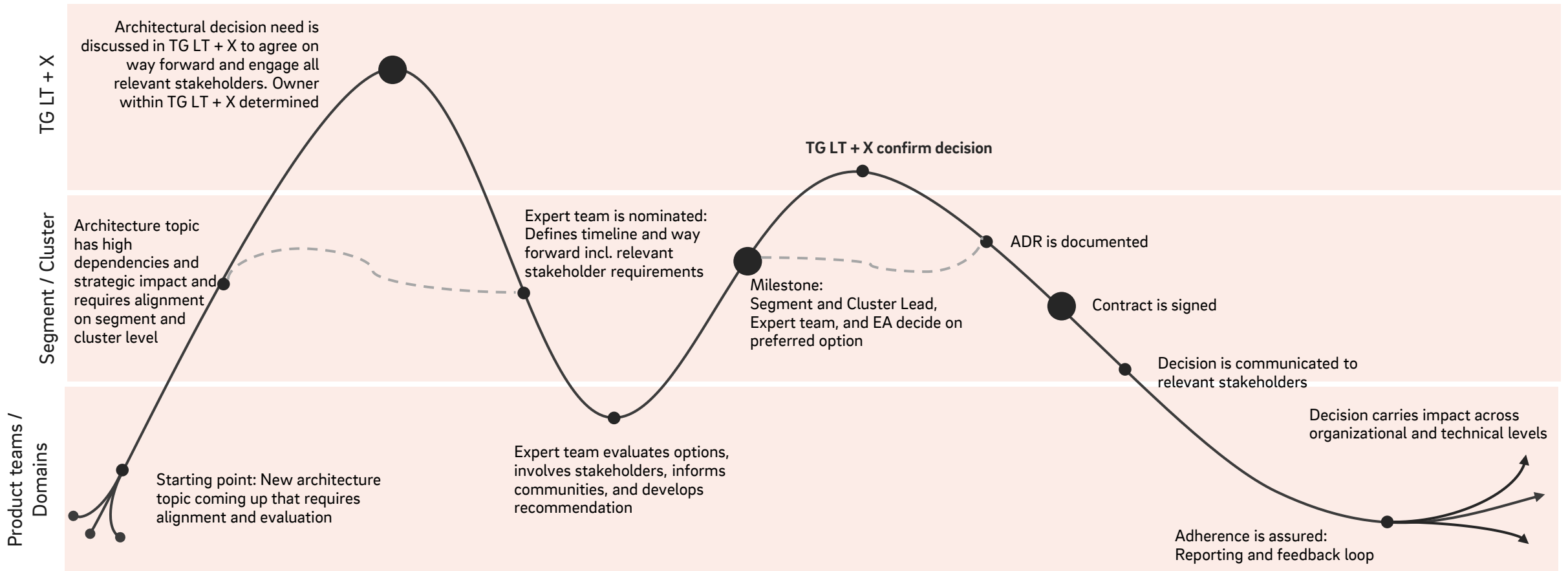
Exemplary

📄 Identification & Preparation

✋ Decision-Making

📢 Documentation & Communication

🔒 Assurance



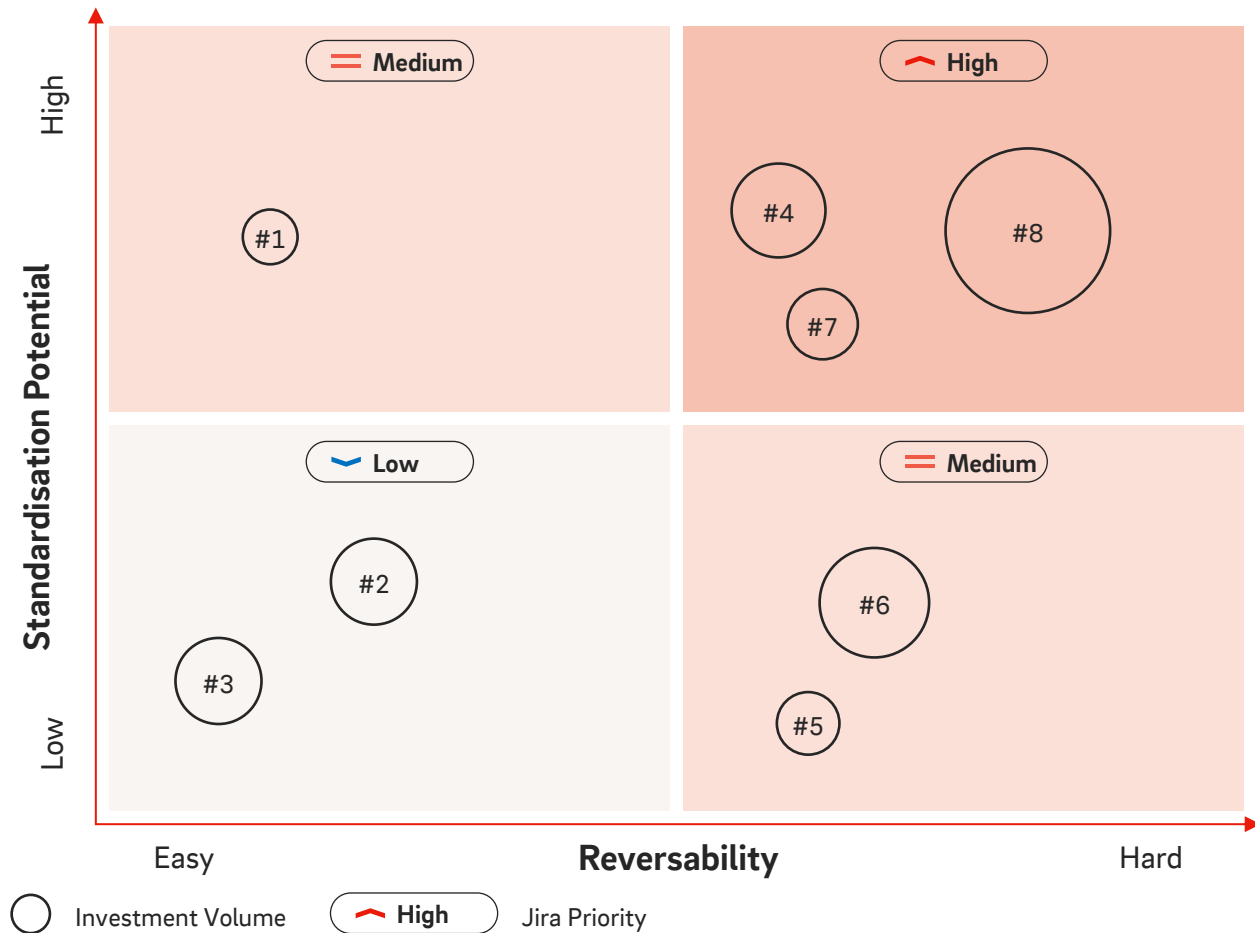
● Key Step

--- Decision path for segment-specific topics

How will we prioritise and document architecture topics?

01 | Target picture: How do we take and communicate technology decisions at E.ON?

Prioritisation matrix of Architecture Topics



Architecture topics managed in one backlog (Jira)

Type	Key	Labels	Summary	Priority	Owner	Architect	Target Date	Created	Status
Corporate	ENA-34	Corporate	Corporate New Solution for Social Walls (Pilot)	Low		Sengul, Ueli Fehrer	Apr 22, 2028	NEW	
Corporate	ENA-33	Corporate	Corporate Energy Networks Worksite: Target Architecture for SAP BW Migration	Low		Danka Oros, Seem...	Apr 22, 2028	NEW	
OS	ENA-32	OS	Customer Solutions Germany ePilot: Target Architecture and Roadmap based on One B...	Low		Sparrer, Thomas	Apr 22, 2028	IN PROGRESS	
Digital Technology	ENA-31	Digital Technology	Infrastructure Services: Standardization of Organization within AWS	Low		Mitschelen, Elvira	Apr 22, 2028	IN PROGRESS	
EN	ENA-30	EN	Energy Networks Update on Target Architecture for EDS	Low		Schroeder, Thomas	Apr 22, 2028	IN PROGRESS	
EN	ENA-29	EN	Energy Networks Solution #10 FlowMaster	Low		Yorov, Konstantin	Apr 22, 2028	IN PROGRESS	
EN	ENA-28	EN	Energy Networks Workstream Meeting: Outcomes EDS for Weststrategie Meeting	Low		Yorov, Konstantin	Apr 22, 2028	IN PROGRESS	
Corporate	ENA-27	Corporate	Corporate Project Resource Assignment for ECDN and Expert Services	Low		Danka Oros, Seem...	Apr 22, 2028	IN PROGRESS	
Digital Technology	ENA-26	Digital Technology	Common Platform: New Standard for SAP Business Data Cloud (BDC)	Low		Bath, Julian	Apr 22, 2028	IN PROGRESS	

- EA team prepares the radar for the weekly TG LT session and selects high focus topics that require management support
- Backlog will be made available for all relevant stakeholders
- Topics can result in architecture decisions
- Leverage standardisation potential to reduce fragmentation and security or compliance risks
- Reversability ensures exit options and avoids long-term dependency if strategies or standards change

Access to Jira Cloud

Via Espresso: [Link](#)

Access to the Project

In the tool: [Link](#) or direct searching the space („Enterprise Architecture“)

Typical CO Decision Types and use cases that trigger EA governance process

Decision Types CO	Use Cases - examples	Process
Standardization requests CO	<p>New standard solution CO, e.g. e-invoice, warehouse management,</p> <p>Update of CO Reference Architectures*</p>	<ol style="list-style-type: none"> 1. EA Steward facilitates technical review 2. CO EA Core Team reviews and prepares recommendation 3. EA Steward recommends decision 4. CO Segment Lead decides
Architectural Decisions	Target Architecture for Financial Data Landscape Project	<ol style="list-style-type: none"> 1. EA Steward facilitates technical review 2. EA Steward and CO Solution Architects investigates "standardization" opportunity
Architectural Principles	<ul style="list-style-type: none"> - Global Guardrails - Coding standards 	<ol style="list-style-type: none"> 1. EA Steward facilitates review 2. CO Segment Lead approves

* Reference Architecture driven and owned by Segment and Cluster - EA responsible to support

14/04/2026 | Enterprise Architecture (EA) Governance Framework

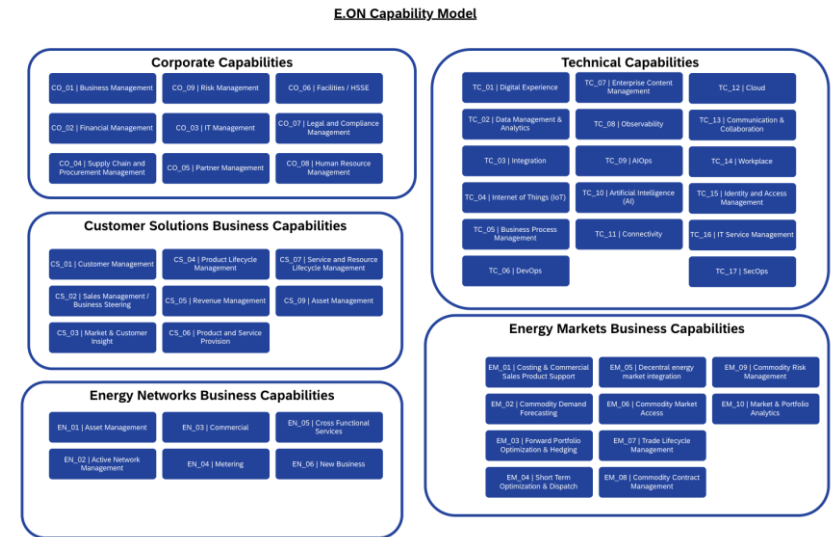
What is an architecture standard?

Example: Source Code Management Platform

For discussion

Architecture Standard: Source Code Management Platform

Application	GitLab	Only the central GitLab instance, no local instances
IT-Capability	Version Control System	The IT Capability is embedded in the E.ON Capability Model
Scope & Adoption	Group-wide	Scope can be limited to certain segments; adoption timing immediate or w/ next change
Group-wide Service Offering (GWS)	IBU003157 DevOps Enablement Platform	GWS are consistent with E.ON standards and DevOps Enablement Platform is essential



Enterprise Architecture Principles



We deliver great experience



We focus on simplicity



We ensure security by design



We keep it always on



We implement cloud native only



We can always show the business value



We design with Data and AI in mind



We make it usable for 3rd party

Architecture Radar

The screenshot displays the Jira Architecture Radar interface. At the top, the Jira logo and 'e-on Jira' are visible, along with a search bar and a '+ Create' button. The left sidebar contains navigation options: 'For you', 'Recent', 'Starred', 'Apps', 'Plans', 'Spaces', and 'Recent' (with 'Enterprise Arc...' and 'Architecture Radar' listed). The main content area shows the 'Architecture Radar' space for 'Enterprise Architecture'. It features a navigation bar with 'List Radar', 'Kanban Radar' (selected), 'Summary', 'Timeline', 'Reports', 'All work', 'Components', 'Development', and 'Archived work items'. Below this is a search bar for the board and filter options for 'Epic', 'Type', and 'Label' (set to 2). A 'Group: Queries' button is also present. The board is currently filtered to 'Medium Priority' (10 work items) and is divided into four columns: 'NEW 1/3', 'IN PROGRESS 9/11', 'COMPLETED', and 'REJECTED'. The 'NEW' column contains one item: 'Target Architecture and Roadmap for Warehousing and Reporting' (ENA-24). The 'IN PROGRESS' column contains four items: 'BRAD' (ENA-18), 'Update on Target Architecture for Manage Asset Process' (ENA-19), 'Target Architecture and Roadmap for Internal Portals' (ENA-25), and 'Project Resource Assignment for ECON and Expert Services' (ENA-27). The 'COMPLETED' and 'REJECTED' columns are currently empty.

Strategic Initiatives

Central DPO Dashboard

Export PDF ⋮

GTP and CDT Program EPICs created -4 week / Rich Filter Controller

Corporate DT (... 1) Domain Domain Area

JQL A ↻ X

GTP and CDT Program EPICs created -4 week / Rich Filter Results

Project	Type	Created	Domain	Domain Area	Key	Summary	Parent Link	Assignee	Architect
Corporate DT	☰	24.04.2026	Controlling DT	Finance & Controlling DT	CDT-2074	CS-BI Operations	! CDT-688 Improvements and Operation of Controlling & Planning CS	Köhler, Malte <i>i</i>	
Corporate DT	!	20.04.2026		HR DT	CDT-2073	HR-IT: Establish groupwide standard for HR Document Management		Schüler, Frank-Michael <i>i</i>	
Corporate DT	!	16.04.2026		HR DT	CDT-2072	Delphi Compensation UK		Richter, Daniel Dr. <i>i</i>	
Corporate DT	☰	14.04.2026	oneERP	Commercial Shared Services DT	CDT-2071	SoD Review & Cleansing oneERP - Roles & Authorizations	! CDT-641 oneERP own operation, increase automation	Hamsch, Benjamin <i>i</i>	Sengül, Ümit Ferhat <i>i</i>
Corporate DT	☰	10.04.2026	Group Reporting DT	Finance & Controlling DT	CDT-2070	Migration Westenergie-CIM-Application	! CDT-687 Digital Consolidation	Ulsamer, Marco <i>i</i>	Sengül, Ümit Ferhat <i>i</i>

1 - 5 of 5 filtered issues (17 hidden) *i* ↻

< 1 >

Program Epic Reviews

Corporate DT

- CDT Kanban Board
- Kanban board
- Releases
- Reports
- Issues**
- Components
- Structure
- Tests
- Test Automation
- Objects

PROJECT SHORTCUTS

- BigPicture
- + Add shortcut

Corporate DT / CDT-2004

Electronic invoicing (e-invoicing) in the EU

Edit Add comment Assign More In Progress SLA Report

Email Share Start Scrum Poker Export

Details

Type:	Program Epic	Resolution:	Unresolved
Affects Version/s:	None	Fix Version/s:	None
Component/s:	None		
Labels:	None		
Domain Area:	Finance & Controlling DT		
Domain:	Accounting DT		
Parent Link:	CDT-1926 OneERP Finance DT		
DA-Architecture-Review:	Done		
Comment:	This project has been approved by LAG with Decision ID 958.		
Templates:	CDT Program Epic Templates		

Description

Points for Clarification

- Which questions are still open?
- What has to be clarified?

Scope

- What is needed and why?
- What is the current challenge?
- What is the deliverable of the program epic?

People

Assignee: Humberg, Martin
[Assign to me](#)

Reporter: Wöstmann, Ann-Kristin

Architect: Sengül, Ümit Ferhat

Team: SL - Accounts Payable

Watchers: [Start watching this issue](#)

Dates

Created: 12.03.2026 15:37

Updated: 27.03.2026 09:41

Start date: 01.01.2026

End Date: 31.12.2026

Development

[Create branch](#)

Agile

[Find on a board](#)

Lessons Learned

4



Key Takeaways

1

How a mature EA practice can be embedded into agile DevOps workflows without becoming a bottleneck.

2

Practical strategies to ensure project delivery aligns with architectural vision, avoids duplication, and maintains quality.

3

Lessons learned (and open questions) from an ongoing transformation that balances governance, speed, and collaboration.

Thank you

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