



### **Data Warehouse Modernization: 10 day assessment**

# What is the Data Warehouse Modernization Assessment of element61 & Microsoft?

"It's a short strategic assessment **aimed to further clarify & detail-out how your Data & AI workloads can be accelerated & improved.** Focused on your challenges & ambitions we will **deliver a tangible concrete roadmap document** incl. as-is SWOT & maturity assessment and recommendations on architecture, phasing & roles and responsibilities"



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### How does it practically happen the Assessment?

\*\* The assessment is run by a Director of element61 who - with technical & business knowledge - runs a set of interviews & workshops and documents observations, assessment results and recommendations

<sup>\*\*</sup> It's typically ran in a **3-4 weeks run-through** period with

- 2 days of 1-to-1 interviews
- 3-4 workshops spread across 1,5 weeks
- Iterative documentation of vision & roadmap



### What can you expect as deliverable?

\*\* an **as-is assessment on Data & Analyics maturity** incl. SWOT assessment & maturity benchmark

- \*\* an inventory of data opportunities and improvement domains (incl. tools, technology, people & processes)
- <sup>\*6</sup> a **design of a future-proof architecture** to support these needs
  - keeping in mind budget, existing technology and application landscape and skills
  - evaluating different technologies (with their strengths and weaknesses)
- \* a **detailed cost breakdown** of the target architecture on running costs (Opex) and implementation investments (Capex)
- \* a perspective on the **required organization** to support these initiatives both from a people point of view as of a process point of view
- \*\* a **prioritized implementation plan** on the migration towards this new modern data platform



### We have all material ready to support this assessment

#### **Analytics Maturity Model**

\*\* As part of the assessment, we will score your organization on Analytics maturity across 5 dimensions ranging from governance to technology

	Level 1	Level 2	Level 3	Level 4	Level 5
Governance and organization	Done by dispersed individuals	BI is done in non- aligned projects; no best-practices	Project & process standardization in place	Business Analytics is managed by a competence center	BICC and analytics is aligned with & driving strategy
Technology & systems	No technology in place: typically Excel-driven	Diverse set of tools & architectures	Standard toolset & architecture	Enterprise-wide Analytics for BI & AI	Integrated data and AI platform
Information	Untrusted scattered information & very limited knowledge on source systems	Information model is known but BU/domain- specific	Enterprise-wide Information model across major sources	Governance for data s quality in place	Fully trusted data environment
Usage & value of reporting	Reporting is not in place; focus lies on 'preparation for'	Reporting focus is on Group level (e.g. finance, hr)	Reporting usage is omni-present but not enterprise-wide	Reporting is used enterprise-wide and standardized	Reporting is beyond enterprise incl. with vendors/customers
Usage & value of AI	AI not in place; no perspective on use-	Use-cases documented but no focus on delivery	Use of Data Science in Discovery & POCs	AI use-cases live in specific divisions	Various AI use-cases live w. a centralized strateov

#### **Interview kit**

\*\* For the interviews, we can share our pre-read with concrete questions to truly understand analytics in your organization



#### Workshop material

We have ready-to-present workshop material on Modern Data Platform, Data Governance, Power BI governance, ML use-cases & much more



### Example workshops ran as part of the Assessment (1/2)

#### **Workshop 1 - Modern data platform architecture fit**

 In this workshop element61 will propose various modern data platform architectures & outline the components uses (incl. their pro & con's, alternatives and references). Objective of this workshop is to create understanding of the various modern data platform components, align on an architecture fit for you and draft priorities. We will clarify role of data lake, data catalog, parallelized computing, ETL vs. ELT and difference between Azure, clouds & on-premise

#### <sup>\*\*</sup> Workshop 2 - Getting started with ML: from use-case to maturity running platform

 In this workshop we envision a workshop to discuss ML use-cases & clarify the link of Machine Learning within the modern data platform incl. the (best-practice) tech needed to run ML and the tools needed to run DevOps for ML incl. MLOps. Objective of this workshop is to identify first use-cases and define the actions needed to set up these first use-cases using all best-practices

#### <sup>5</sup> Workshop 3 – Visualization tools: the right tool for the right purpose

 It's important to set-up the right reporting tool for the right users: when to use Power BI vs. when to use other tools like process engineering visualization tools. In this workshop we together outline the user persona's in your organization for reporting & their needs towards self-service BI and analytics.



### Example workshops ran as part of the Assessment (2/2)

#### <sup>\*\*</sup> Workshop 4 – Platform and Data security (& GDPR) on Azure

 In this workshop we want to discuss the options towards setting up Cloud & Data security on both platform and data level for BI, analytics and Machine Learning. Using privacy by design on both networking, data & access we can guarantee data & platform security. Objective of this workshop is to align on how to set-up security to be conform with your security requirements.

#### <sup>5</sup> Workshop 5 – Data Governance

• In this workshop we clarify on what is data governance incl. the link with meta-data management, data quality and master data management. We clarify the typical components of data governance and outline the typical roles & responsibilities of BI vs. IT vs. business teams and stakeholders. Objective is to outline the gaps in data governance you need to fill-in to achieve a solid modern data platform strategy.

#### <sup>5</sup> Workshop 6 – Migration planning & volumes: building the roadmap

 In this last workshop we want to discuss the migration planning and openly define a high-level planning using all building blocks from the previous workshops. Objective of this workshop is to define an aligned planning, set of priorities and roles & responsibilities.

Note: <u>workshops are always tailored to your needs & context</u>. Above workshop serve as inspiration of relevant workshops we have given to other customers



### Who is element61?



### element61 is the most Senior Analytics team in Belgium



### What element61 is about ...

#### **Data Science & Strategy**

- 😚 Data Lake
- <sup>\*\*</sup> Modern Data Platform
- <sup>\*\*</sup> Machine Learning
- <sup>™</sup> Big Data and IoT

#### **Performance Management**

- ° Consolidation
- 😚 Financial Reporting
- <sup>8</sup> Planning, Budgeting & Forecasting
- <sup>6</sup> Disclosure Management

#### **Business Intelligence**

- <sup>\*\*</sup> Data Warehousing
- 😚 Data Quality

- <sup>56</sup> Master Data Management
- 😚 Data Integration

### We are a Microsoft Gold Partner

- \*\* element61 is "Microsoft Gold Partner" since many years
- <sup>5</sup> Competence center of **30+ Microsoft Consultants on BI & AI**
- <sup>5</sup> 200 years+ of combined Microsoft & Azure experience & expertise
- Solid expertise in new technology incl. Synapse, Databricks, DevOps, Infrastructure-as-code and Spark

## Microsoft Partner



Gold Data Analytics Gold Data Platform Gold Cloud Platform



### **Questions?**





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