

G-Cloud 15

Digital Architecture



Atos

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1. What is Digital Architecture?

Digital Architecture is Atos' comprehensive approach covering both Enterprise Architecture and Solution Architecture to define, design and manage digital technology to deliver increased value for money and support business operations. It includes aligning the organisation's vision, business strategy, business processes, and technology to support the organisation's mission and objectives.

Atos' Enterprise Architecture capability provides a holistic view of an organisation to enable better decision-making and strategic planning. This ensures that all parts of the enterprise work together to achieve the desired outcomes.

Atos' Solution Architecture capability designs and implements the optimum solution to address business problems and requirements. This includes defining the problem by soliciting the requirements, proposing solutions that meet the requirements while aligning with the overall enterprise architecture.

Embedded within this approach is the use of both innovative technologies and mechanisms to foster a culture that generates and captures innovative ideas within the organisation itself.

Atos' Digital Architecture offering provides a key capability for any business digital transformation, whether it is organisation-wide or focused on a specific business unit. Atos will use this offering to create the high-level design and structure for your digital business transformation, including a target architecture traceable to business outcomes, key programme and architecture principles, and the roadmap or transition states. Leveraging emerging technologies such as Gen AI to drive competitive advantage, drive change, and foster creativity to support the transformation process.

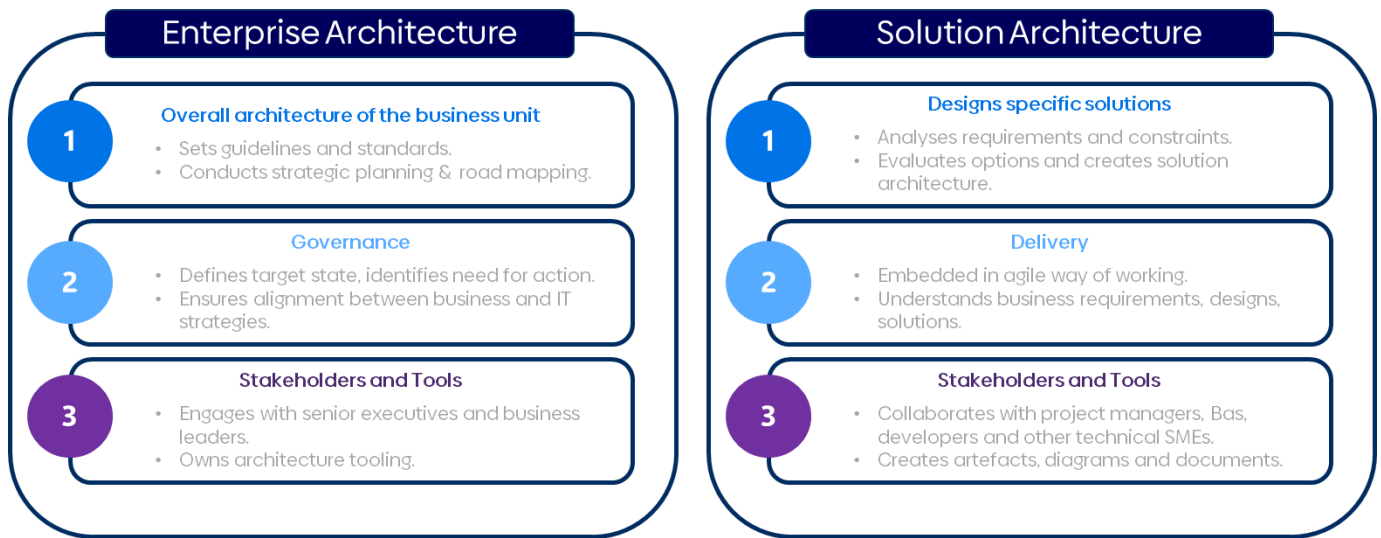


Figure 1: Atos' approach to digital architecture

Open and Industry Standards Approach

Atos adopts industry-standard architectural frameworks such as The Open Group Architecture Framework (TOGAF) and industry or GDS (Government Digital Services) reference architectures to provide a structured, proven approach to architecture.

Atos develops tailored Architectural patterns based on proven industry best practices to describe the As-Is, To-Be and transition states. This also helps to drive the reuse of patterns and identify innovation areas.

• Benefits

Atos Enterprise and Solution Architecture capability brings essential benefits to organisations. Benefits include:

- Faster and more effective strategic and tactical decision-making
- Better return on existing investment, reduced risk for future investment
- More effective and efficient Digital Transformation and operations
- Better citizen-facing services and policy outcomes
- More effective, less error-prone and efficient business operations
- The safe adoption of innovative or emerging technologies, e.g. Gen AI.

- **Tools**

Atos uses appropriate modelling languages to achieve the desired outcomes. This includes ArchiMate to model the business domains and IT architecture clearly and consistently, and entity relationship modelling to identify key domain entities and their relationships.

Atos architects are proficient in Enterprise Architecture standards such as TOGAF and software applications such as Bizzdesign and EA Sparx to conduct modelling.

- **IT Strategy and Operating Model**

Digital Architecture plays an essential role in supporting and aligning with an organisation's IT strategy and operating model. By aligning IT capabilities with business objectives, driving continuous improvement and innovation, and fostering agility and adaptability, digital architecture helps organisations stay competitive and achieve their strategic goals in an ever-evolving digital landscape.

The challenge of making technology work well and realise intended benefits is often less about the technology itself and more about business integration and fit.

Structured analysis and design approaches are needed to ensure that business & technological changes work together during build and operation.

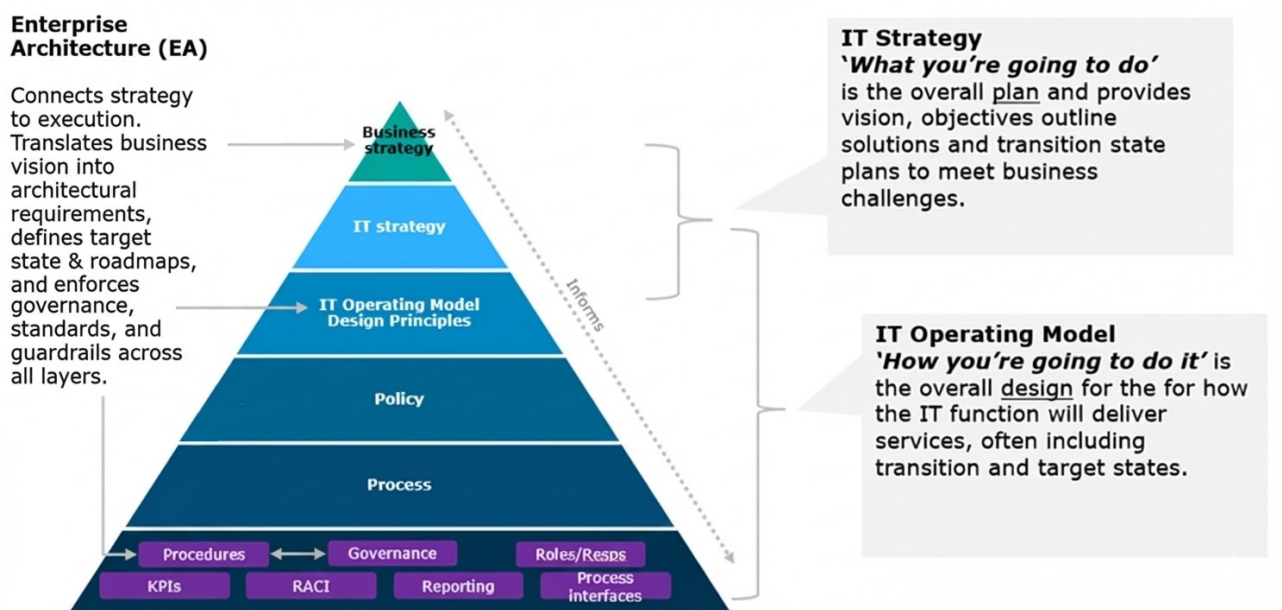


Figure 2: EA, IT Strategy and Operating Model



2. What does it deliver?

The Atos Enterprise and Solution Architecture delivery is based on TOGAF and other industry best practices. The diagram below shows the Atos approach to architecture and the value streams from Awareness to Run.

Atos DTC Architecture and Innovation Services

Our services cover the whole value chain of architecture and innovation

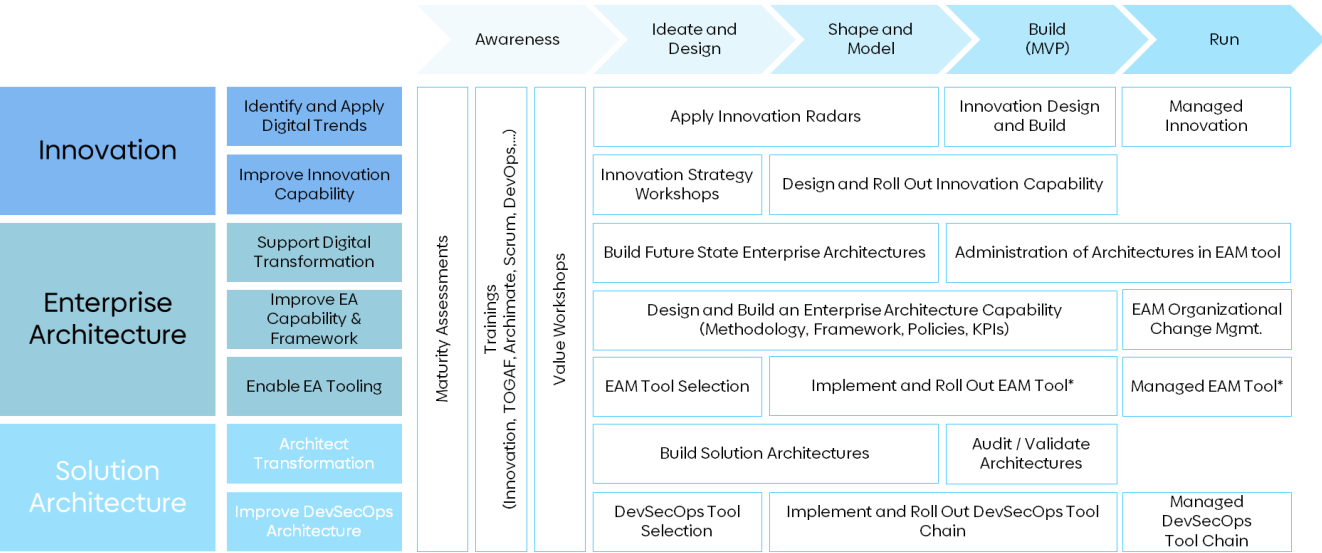


Figure 3: Atos' approach to architecture and value streams

This section describes the activities and the corresponding example architectural artefacts produced. Figure 4 below describes some of the domain expertise and services provided by the Enterprise and Solution Architecture disciplines.

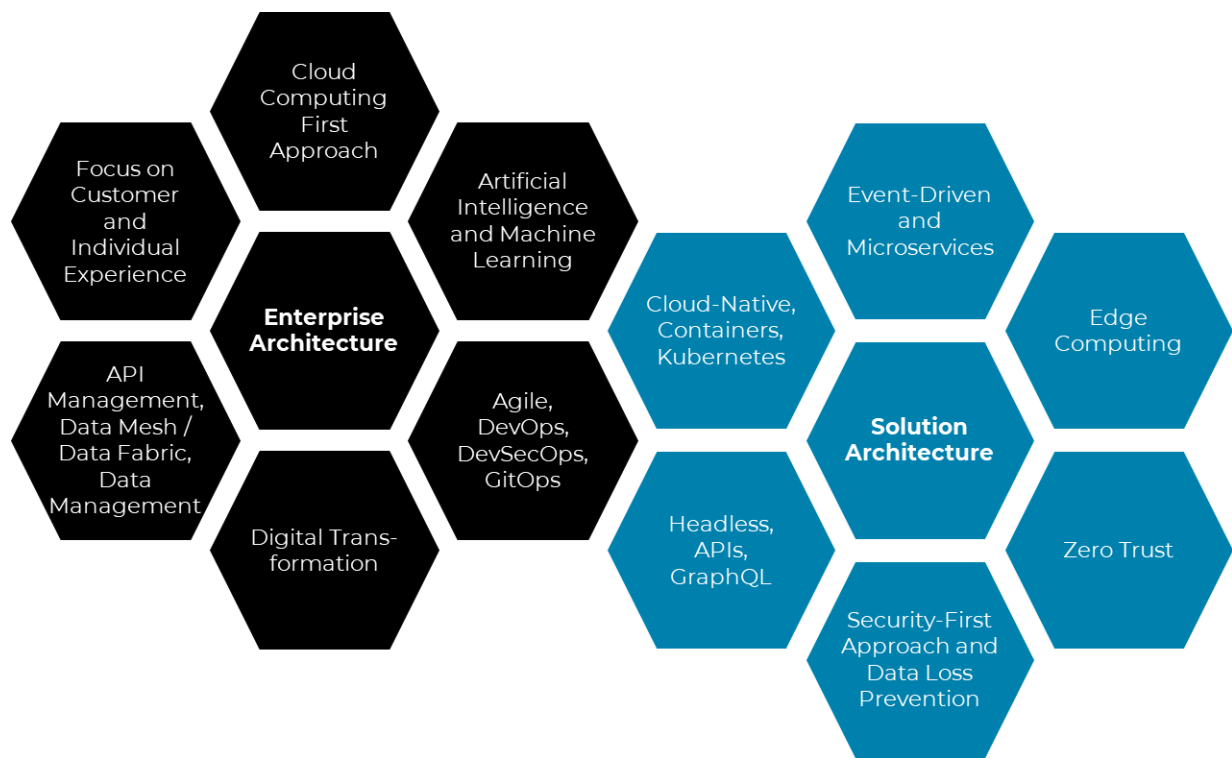


Figure 4: Enterprise and Solution Architecture Disciplines

Determining and Establishing an Architectural Capability

Atos' approach is to understand and document the "where, what, why, who, and how we do architecture."

The main aspects are as follows:

- Defining the scope of business for which the architecture services will apply
- Identifying key drivers and elements in the organisational context
- Defining the requirements for architecture work
- Defining the Architecture Principles that will inform any architecture work
- Defining the framework to be used
- Defining the relationships between management frameworks
- Evaluating the Enterprise Architecture maturity.

Outputs and Deliverables

While the output is determined on a case-by-case basis and the format in which they are delivered is agreed prior to completion (for example, addition to pre-existing architecture repository and tooling, or creation of a new one and use of normal office content rather than dedicated tooling), the deliverables are oriented towards the TOGAF framework and would typically include:

- **Architecture Principles:** The set of principles that guide or constrain the approach and solution, covering typical 'best practice' and domain-specific aspects, such as regulation.
- **Architecture Vision:** Statement of what the long-term view for the enterprise or solution is, and how it fits with the organisation's overall technology estate.
- **Architecture Roadmap:** The implementation roadmap for the solution, or wider enterprise. Typically broken down into a series of transition states with capability increments between each transition state.
- **Capability Assessment:** A review of the As-Is architecture to baseline what exists, where there are gaps and where duplication exists.
- **Compliance Assessment:** Building on the capability assessment for a baseline check to ensure the As-Is state fits the existing policies, such as software versions, cybersecurity compliance or requirements.
- **Implementation and Migration Plan:** A specific deployment plan to introduce the new solution or transition the state safely into production.
- **Definition of Security Principles:** A set of principles that guide the development of the enterprise architecture. These principles provide a foundation for ensuring that security considerations are integrated into all aspects of the architecture.
- **Governance Framework:** A governance framework that outlines the policies, procedures, and decision-making processes related to architecture governance. This framework defines roles and responsibilities for stakeholders involved in governance activities.



3. What technology does it use?

Atos supports a wide range of software, platforms and tooling to deliver design, development, and management of digital architecture solutions. These include:

- Cloud platforms on AWS, Azure and GCP
- Enterprise Architecture modelling tools: BizzDesign and Sparx EA
- Standardised Architecture modelling languages to create visual representations of architectural design, including ArchiMate, UML (Unified Modelling Language), Business Process Model and Notation (BPMN), Entity Relationship Diagrams (ERDs), Data Flow Diagram (DFDs) and FlowCharts.



4. What terms apply?

To the fullest extent permitted under G-Cloud 15 Framework Agreement and the Call-Off Contract, Atos will provide the Services in accordance with the Atos Supplier Terms (which will include, but may not be limited to , the Supplier Acceptable Use Policy, Supplier Data Processing Agreement, Supplier Specific Shared Responsibility Model, Supplier SLAs and Supplier Licence Terms and any applicable Third-Party Terms outlined in this Service Description document and the Order Form) and this Service Description document.

For clarity:

- Atos Supplier Terms may be modified in accordance with the provisions of the Call-Off Contract, and remain effective except where expressly overridden.
- Hyperlinks included in the Atos Supplier Terms and Service Description document remain effective where they point to Atos' or the relevant Third-Party Terms or documents. Should a hyperlink cease to function, Atos will work with the client to update it through the agreed procedure.



5. Termination

Termination shall be in accordance with:

- The G-Cloud 15 Framework terms and conditions
- Any terms agreed within the Order Form of the relevant Call-Off Contract
- For this specific service, by default Atos ask for at least thirty (30) days prior written notice of termination without cause.

Atos commits to the continued provision of services for the duration of the Call-Off Contract subject to the terms and conditions of the G-Cloud 15 Framework Agreement, the Call-Off Contract, the Atos Supplier Terms and the applicable Third Party Agreements (as defined in the Atos Supplier Terms and indicated in the Order Form) related thereto.



6. How do I order?

Please contact our team at: gcloud@atos.net

- We will prepare a quotation for your review, including any applicable volume discounts.
- Once the quotation is agreed, we will issue the necessary documentation (as required by the G-Cloud Framework) and request a purchase order from you.
- Upon receipt of your purchase order, we will configure the services in line with the agreed requirements. Where applicable, you will also receive access to our self-service portal to begin provisioning services.
- If you are a new customer, you may need to complete additional 'new supplier' forms.
- Invoices will be issued to you and to Crown Commercial Service (CCS), quoting the purchase order number, for the services procured.
- We will also submit the required monthly management information reports to Government Procurement.



7. Glossary

Term	Definition
BPMN	Business Process Model and Notation
DFDs	Data Flow Diagram
Digital Architecture	A comprehensive approach to defining, designing, and managing digital technology to deliver policy, value for money, and support business operations. It aligns an organisation’s vision, strategy, processes, and technology to support its mission and objectives
Enterprise Architecture	A holistic view of an organisation that enables better decision-making and strategic planning, ensuring all parts of the enterprise work together to achieve desired outcomes
ERDs	Entity Relationship Diagrams
GDS	Government Digital Services. Responsible for setting, leading and delivering the vision for a modern digital government
Solution Architecture	The design and implementation of optimal solutions to address business problems and requirements, ensuring alignment with the overall enterprise architecture
TOGAF	The Open Group Architecture Framework. An industry-standard architectural framework used to provide a structured and proven approach to architecture
UML	Unified Modelling Language



8. Why Atos

Atos has been a trusted partner on every G-Cloud iteration since the framework began, helping public sector organisations modernise with confidence. We combine global expertise with deep UK experience to deliver secure, scalable cloud solutions that meet the highest government standards.

As Europe's leading provider of cloud and cybersecurity services, Atos offers end-to-end capabilities - from migration and hosting to SaaS and consultancy - supported by UK delivery centres and strategic partnerships with hyperscalers.

Our focus on innovation, sustainability, and social value ensures that customers not only achieve operational excellence but also contribute to a greener, fairer future. With Atos, you gain a proven partner committed to driving efficiency, resilience, and transformation across public service.



About Atos

Atos Group is a global leader in digital transformation with c. 67,000 employees and annual revenue of c. €10 billion, operating in 61 countries under two brands — Atos for services and Atos for products. European number one in cybersecurity, cloud and high-performance computing, Atos Group is committed to a secure and decarbonized future and provides tailored AI-powered, end-to-end solutions for all industries. Atos Group is the brand under which Atos SE (Societas Europaea) operates. Atos SE is listed on Euronext Paris.

The purpose of Atos Group is to help design the future of the information space. Its expertise and services support the development of knowledge, education and research in a multicultural approach and contribute to the development of scientific and technological excellence. Across the world, the Group enables its customers and employees, and members of societies at large to live, work and develop sustainably, in a safe and secure information space.

Learn more at: atos.net