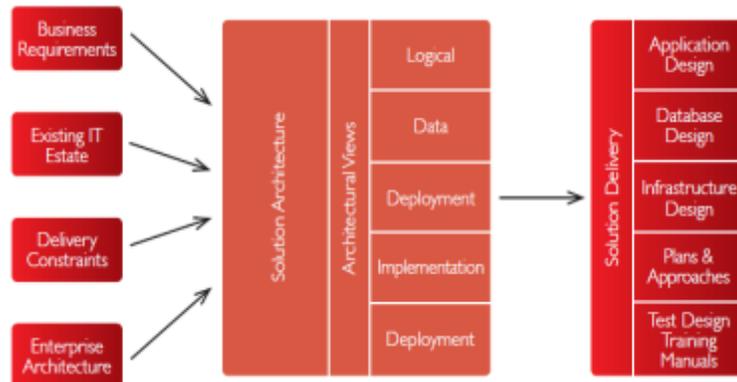


Enterprise Solutions Architecture (ESA)

WHAT

Enterprise Solution Architecture (ESA) brings the right technologies to solve business problems and/or meet requirements usually through the design of specific information systems or software applications with focus on reuse and enterprise standards



WHY

Enterprise Solutions Architecture (SA) lays out the architectural blueprint required for any solution implementation to be in line with the Enterprise Architecture (EA) principles. It focuses on the Principles of reuse, standardization, awareness of innovation, and alignment between IT and business to ensure the best ROI on IT investments. EA performs architecture analysis to determine the best fit solution that meets SBA's business outcome. It specifies a certain level of vision for all current and future solutions, which enables SBA to make smart and bold technological choices.

HOW

As IT systems become more complex and integrated, the architect's role is essential in driving simplification, de-risking IT estates and providing innovative thought leadership. The SA team performs the activities in the process of establishing a solution that aligns with SBA's Enterprise Architecture and System Owner needs by:

- Capturing business requirements from key stakeholders, understanding of the existing IT estate, delivery constraints and Enterprise Architecture standards, guidelines, and solution roadmaps.
- Performing Business Process Modelling, Re-engineering and identifying the gaps in terms of real business impact.
- Performing architectural alternative analysis to drive out the risks and issues at an early stage and come up with a high-level design that will satisfy all key stakeholders.
- Establishing an understanding of the problem domain in determining the design impact on systems and identifying enterprise architecture principles to be adhered to.
- Developing a logical architecture that focuses on impacted components and their interactions.
- Validating the implemented solution against the architecture blueprint.

WHO

The SA team under the OCIO, office of Architecture and Planning, works with the Program Offices to develop the business solutions. The SA team collaborates with all stakeholders in designing and implementing the solution outcome.

WHEN

The SA team engages with the sponsors during the project's initiation phase. The SA team's involvement extends throughout the project's lifecycle and ensures the solution implementation is aligned with the business needs.