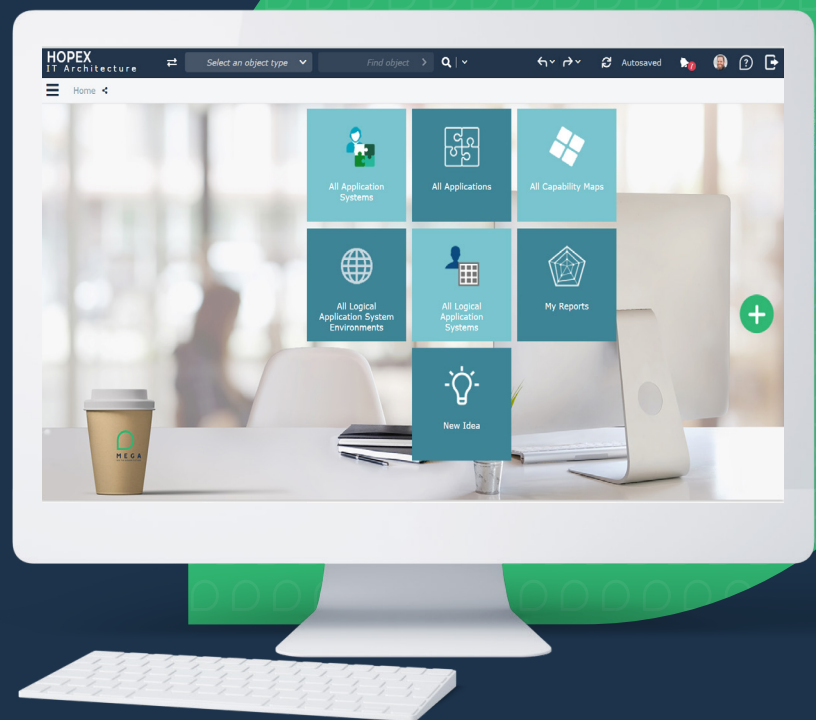# HOPEX IT Architecture

Model reference architecture

Use IT Architecture software to keep your architecture current with changing market strategies, emergent technologies, and Agile developments. Map applications and technologies and precisely pinpoint areas of change. Leverage cloud services to design modern cloud architectures and define reference architectures for agile dev teams.

Benefits

● **Get a clear picture of your IT systems**
Map applications and technologies, and how they interact with one another to identify efficiencies and avoid disruptions

● **Tackle continuous business changes**
Keep current with agile developments and design future IT systems. Ensure that your IT stays ahead of the needs of the business

● **Speed up application deployments**
Precisely describe how technical components of an application can be deployed to avoid potential pitfalls. Quickly model cloud architectures leveraging AWS, Microsoft Azure, and Google Cloud services

Design application diagrams to document and design applications
Document the IT landscape and support the continuous software developments of agile environments with scenario and structure diagrams. Scenario diagrams enable application architects to depict the same application in multiple contexts or scenarios. Structure diagrams enable them to model architecture using a service-oriented approach. The architects can then rationalize data flows and deal with complex exchanges in a simple and structured manner. Design integration processes supporting application flow to further build out the context and have a more complete understanding of how applications communicate.

Map technical infrastructure to ensure effective deployments
Use deployment architecture diagrams to describe how technical components of an application are deployed, as well as the technical structure of an application, technologies, and communication protocols. Create 3D infrastructure diagrams to describe the requirements to support deployed applications. These diagrams include IT concepts such as servers, workstations, IOT devices, and other peripherals, along with communication assets such as network and exchange protocols.

Design new systems
Model requirements and use cases with UML diagrams. Describe the sequence of tasks performed by applications and IT services with system processes and make sure they effectively meet technical requirements. Continuously update the models as needed to model multiple scenarios.
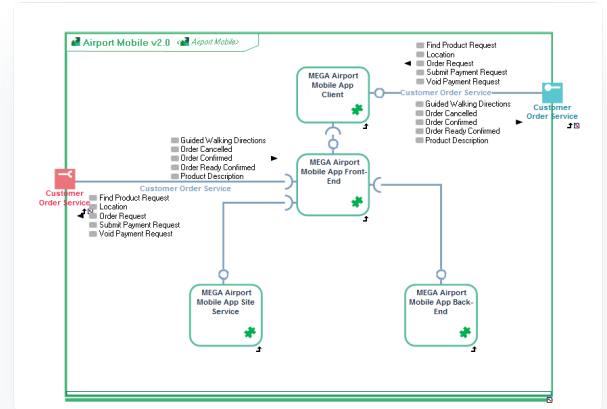
Key Features

HOPEX IT Architecture simplifies architecture modeling with strong automation, templates, and cloud services catalogs to accelerate cloud architecture design.

Automate application diagram design

Leverage automation to model current and future application architecture

- Use automatic diagraming to initiate applications and application system environment models
- Save time by using the auto-positioning feature to instantly clean-up the layout of your models
- Compare two application environment models
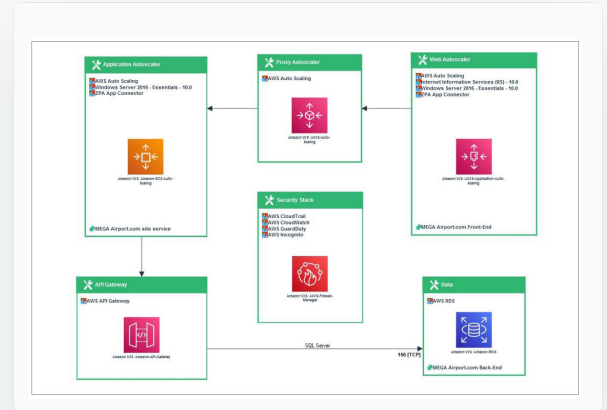- Design integration process (ESB, EAI...) that support application flows

Model application environment

Design modern architectures and model deployments

Understand the technical infrastructure requirements to deploy applications

- Model deployment architecture diagrams (including micro-services)
- Leverage out-of-the-box templates to speed up the development of your reference architectures
- Create your own templates and share them with architects
- Accelerate cloud designs leveraging cloud services from AWS, MS Azure, and Google Cloud
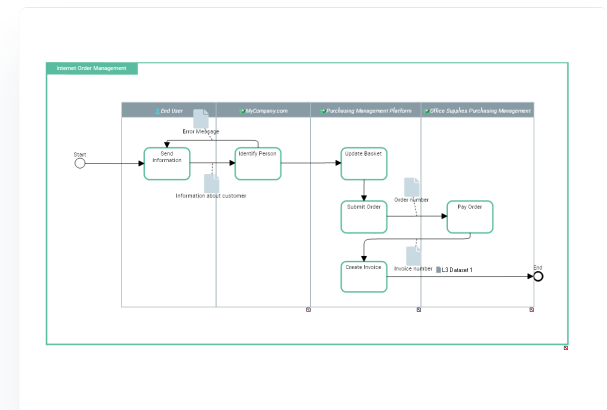- Model 3D infrastructure diagrams

Design cloud architectures

Design new systems

Design how applications operate

- Map UML Diagrams
- Model system processes
- Design user interfaces
- Describe batch processes
- Create requirements documents

Design how applications operate with system processes

HOPEX Platform

Work as you want using the HOPEX platform to connect business, IT, data, and risks perspectives in a single platform that easily integrates into your digital ecosystem. Build a digital representation of your business, collaborate with stakeholders, align on business objectives, and demonstrate the immediate business value of your projects.

MEGA