

Introduction to Technology Modeling in Jalapeno

■ What is 'Technology'?

When it comes to defining the technology elements within the business operating model, it is important to consider the context in which the technology is used. This usage context should be taken from the perspective of the organisation / entity that is the subject of the model. The manner in which the organisation interacts with the technology defines its relationships with the rest of the operating model.

Jalapeno takes a structured approach to defining technology elements within specific usage contexts, ensuring that those elements are each handled for the purpose they were intended. Elements offered for sale externally by the organisation are represented as products, product features, offering, offering items. Elements consumed or applied in business operations are represented as applications, application functions, systems and system components.

In the context of defining the foundational operating model, Jalapeno refers to technology as applications, application functions, systems and system components.

■ Applications and Application Functions

Applications in Jalapeno represent functionality that is required by the organisation from its technology architecture. An application is described in a functional

manner, eg: HR system, as it is a conceptual articulation of the software's intended purpose rather than the physical application for which a licence was purchased. Applications may be aligned to the data that they store, use or send and the processes that touch them.

As applications are abstract, logical elements, they are each defined once within the model.

■ Systems

Systems refer to the installed application. Systems have licence details, versions, support agreements, etc. Purchase and/or operating costs may be tracked against the installed system. Whilst they are certainly related, systems may be replaced without impacting the associated application definition. In fact, application definitions may be used to define requirements when procuring the associated system.

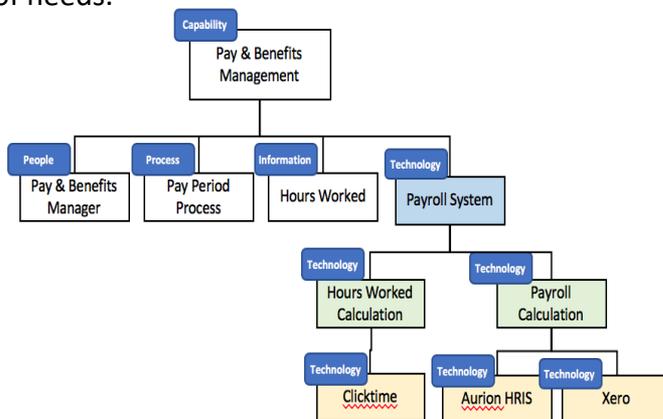
Examples of systems that are deployed for an "HR System" application might be "Aurion", "SAP", "Oracle". Within large and / or complex organizations, there might be multiple systems deployed for the same applications across different areas. For example, the "Payroll Processing" Application Function may be provided by "Xero" system in one part of the organization and by "Aurion" in another part of the organization.

Technology Modeling: Jalapeno's View

Why separate Applications and Systems?

Rather than introduce unnecessary complexity, having all of these terms understood and well defined allow organisations to model and treat their software and other entities in the manner that they need to. This provides commercial opportunities such as platform optimization / consolidation, and risk mitigation opportunities by ensuring that the correct checks and balances are in place as appropriate for each concern.

For example, the illustration below shows technology associated with the “Pay & Benefits Management” capability. The Technology aspect has been fleshed out to show an example of application, application functions and systems. Here we can see multiple systems addressing the same application function. This highlights opportunities for rationalisation or identifies different sets of needs.



Use of Technology in Jalapeno

The most well-known use of technology within a Jalapeno model is being one of the defining dimensions of a business capability. It is the 'T' in 'PPIT' (People, Process, Information and Technology). Application and System portfolios can each be created and managed independently whilst still maintaining relationships with each other and to other elements such as business capabilities, initiatives, information concepts, roles and organization units.

When lifecycle states and dates are added to individual applications and systems, application and system lifecycle roadmaps can be generated by Jalapeno.

Technology Modeling: the metamodel

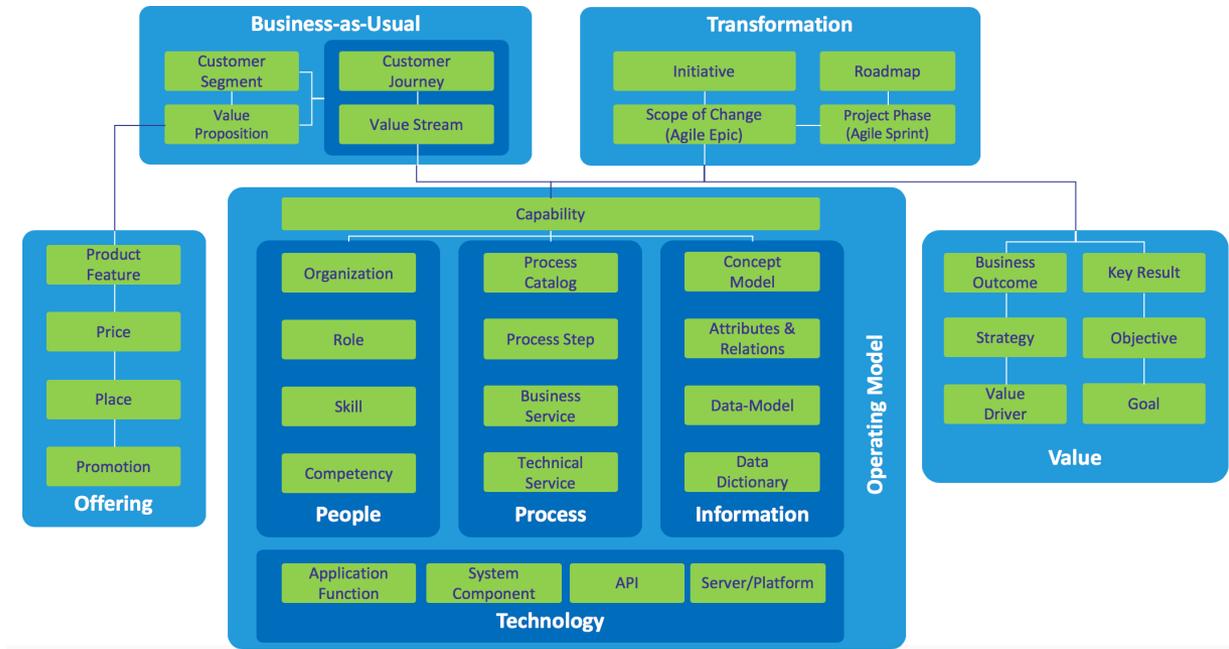
Business Operating Model Components

The diagram below depicts the parts of a business operating model and how they fit together.

As a metamodel, many of the ideas depicted will be referenced many times from different areas of the model but this diagram depicts the logical place where each part lives.

Along the top there is a distinction between Business As Usual and Transformation. Both areas are equally as important within a business with BAU focused primarily on Offerings. Both areas need to drive value and are supported by the operating model. The foundation of the operating model are business capabilities which are comprised of people, process, information and technology.

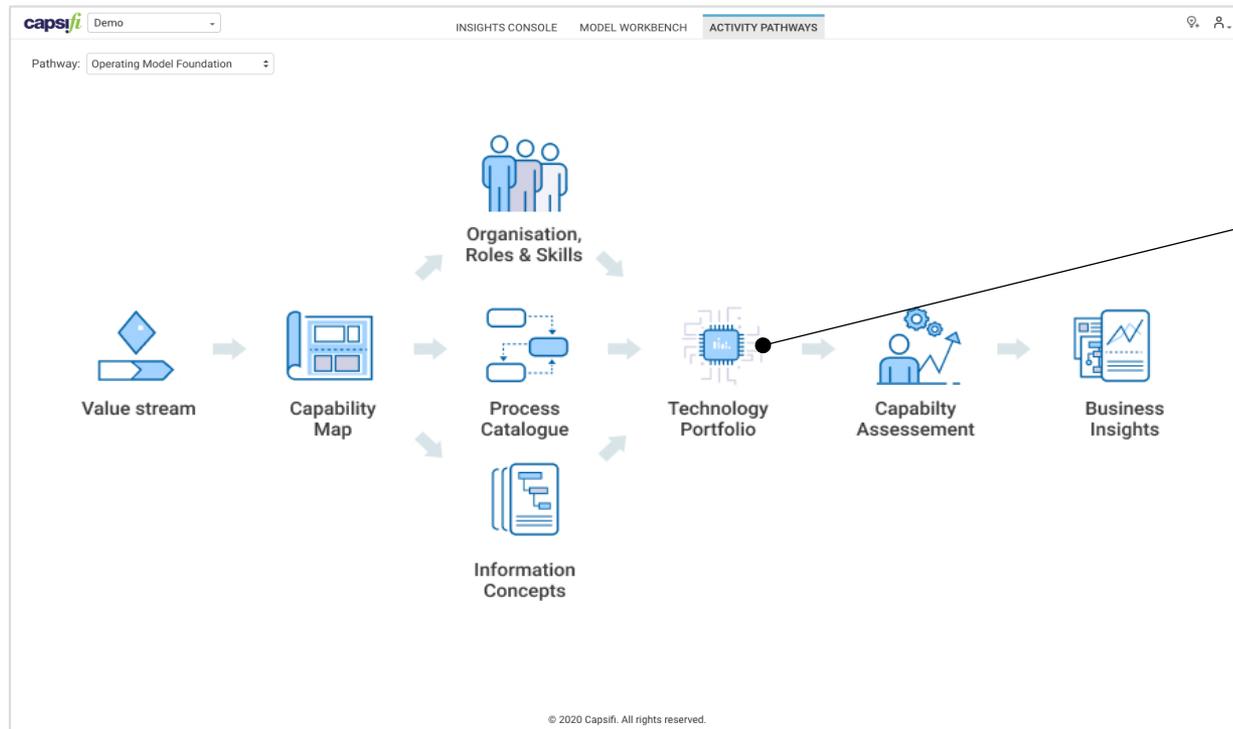
As one of the four pillars of a business capabilities, Technology is a foundational aspect of any business architecture and operating model.



Technology in the Operating Model Pathway

Technology as part of a business capability

Applications and Systems are primarily found within the Operating Model Pathway under the banner of 'technology'. Whilst both applications and systems can be modeled independently at any point they are aligned to business capabilities as an intrinsic part of the capability definition. Due to the focus on Business Architecture, the Operating Model Pathway focuses on the application portfolio and technology portfolio as the key technology contribution into the operating model.



Application and System Portfolio modeling

Technology Modeling: Guidance Material



■ Jalapeno Guidance Material

Capsifi offers online Guidance Material for Jalapeno users to reference as they need.

www.capsifi.com/support/

Application modeling in Jalapeno

<https://www.capsifi.com/support/how-to-create-an-application-in-jalapeno/>

System modeling in Jalapeno

<https://www.capsifi.com/support/how-to-create-a-system-in-jalapeno/>

How to create lifecycle roadmaps

<https://www.capsifi.com/support/how-to-create-lifecycle-roadmaps/>

How to create statements (instantiations) in Jalapeno

<https://www.capsifi.com/support/statements/>

Aligning applications to capabilities within a value stream

<https://www.capsifi.com/support/how-to-create-a-capability-and-its-contextual-ppit-relationships-in-a-value-stream/>