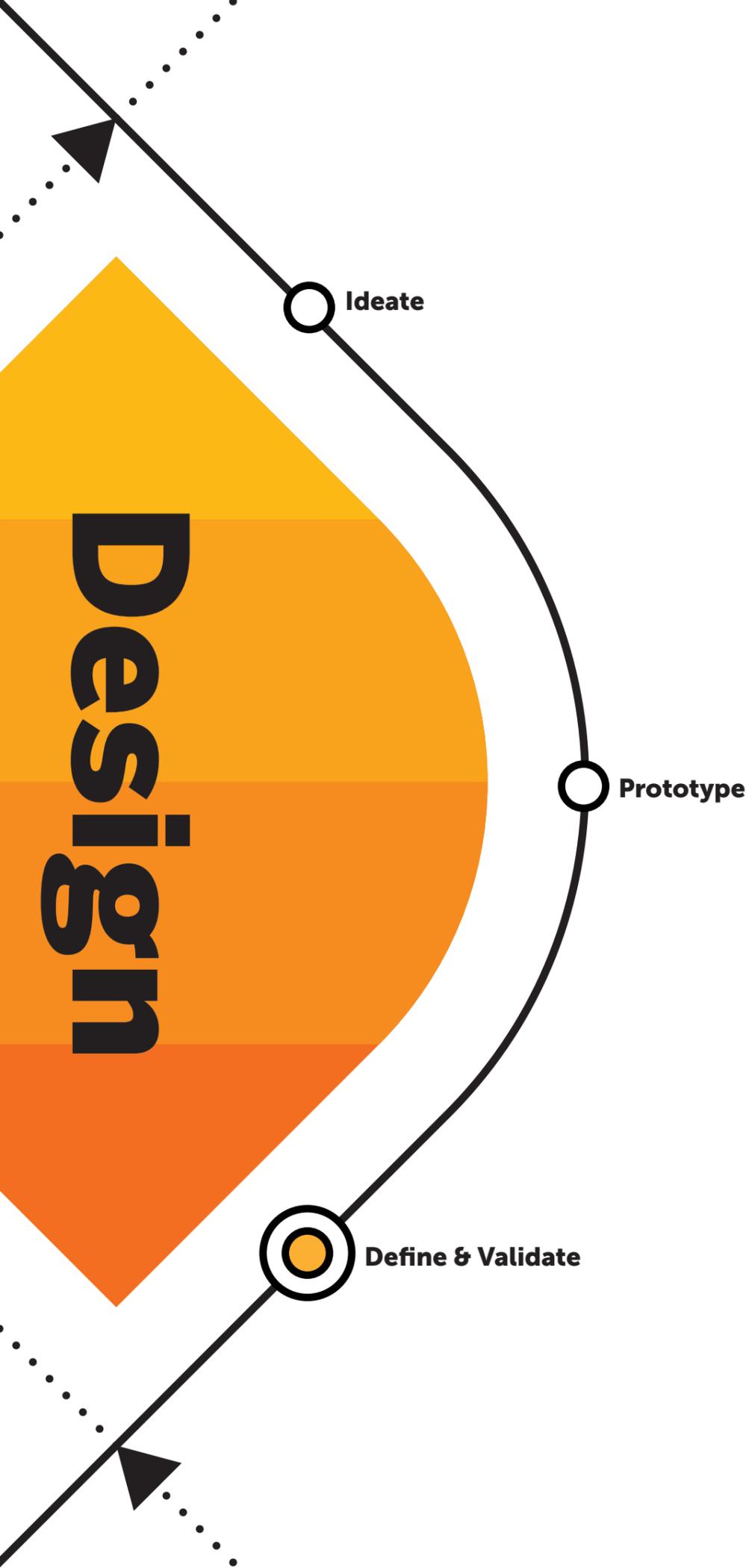


DESIGN PHASE / Solo Activity

Software Distribution Diagram

Shows how Architecture and Solution Building Blocks are distributed across the IT infrastructure.



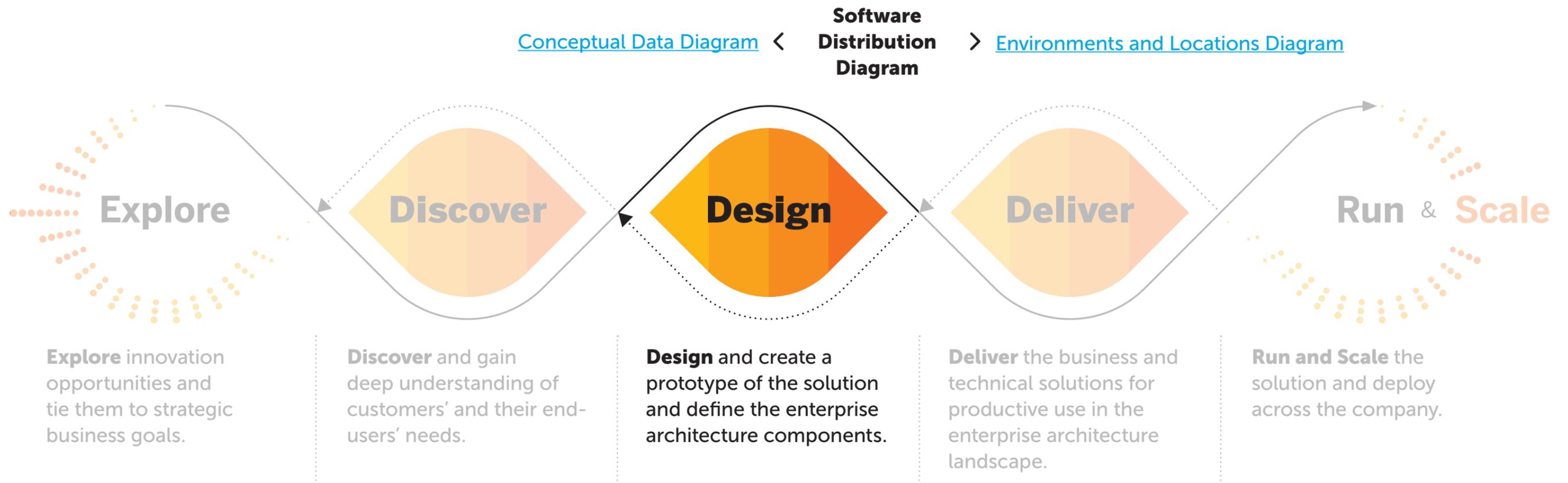
Why to create a Software Distribution Diagram?

The Software Distribution Diagram shows how the aspired solution is structured and how the Solution Building Blocks/Architecture Building Blocks are distributed across the IT infrastructure.

The purpose of the Software Distribution Diagram is to enable a view of how the aspired solution is deployed and hosted.

When to create a Software Distribution Diagram?

The Software Distribution Diagram is created during the Design phase after the [Conceptual Data Diagram](#).



Lear more about SAP's Human-Centered Approach to Innovation: <https://experience.sap.com/designservices/approach>

How to create a Software Distribution Diagram?



Duration
30 - 60 min



Participation
1 - 3 people



Roles
Architects



Use input from

- [Baseline Solution Architecture](#)
- [Solution Concept Diagram](#)
- [Solution Realization Diagram](#)

Steps

- 1** Identify relevant hosting and deployment environments for the building blocks of the architecture. A classification between cloud and on-premise might be sufficient.
- 2** Map the building blocks of the architecture to the identified hosting and deployment environments.
- 3** Visualize the relationships of type request-response or information flow between the building blocks. This helps to understand potential latency considerations or network requirements .

Expert Tips

As a corporate IT infrastructure has typically grown beyond the four walls of a corporate data center, the purpose of the software distribution diagram is to show in which “landing zones” the different building blocks of the architecture are running.

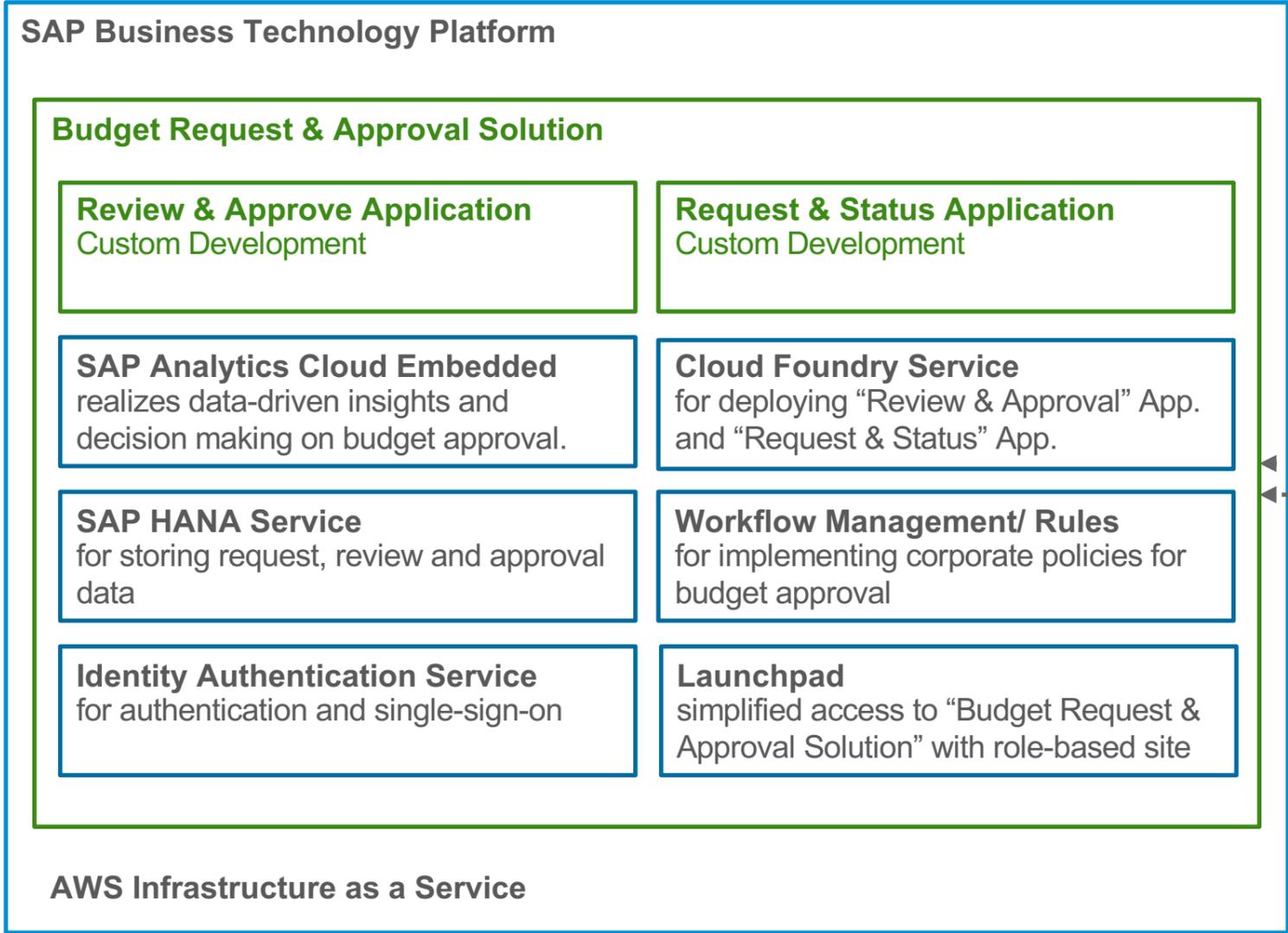
As today’s IT infrastructures are typically hybrid, you can use a general classification in On-Premise- and Cloud- landing zones. The On-Premise landing zone can be further categorized into specific data center, shopfloors or stores, for example. The cloud landing zone can be further categorized into IaaS provider or SaaS provider, for example.

To create the Software Distribution Diagram, you need the list of building blocks making up your solution. Consult the [Solution Concept Diagram](#) to get the list of architecture building blocks and the [Solution Realization Diagram](#), to get the list of solution building blocks.

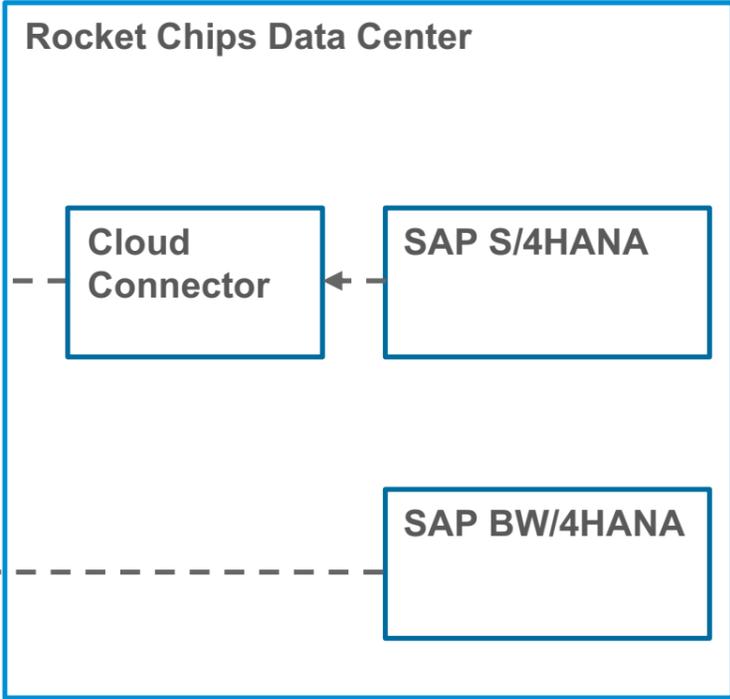
Example

Software Distribution Diagram

Public Cloud



On-Premise



Legend:

Request response: →

Information flow from source to target: ←-----

Custom development

Get started with the included Power Point Template