

ARCHITECTURE THINKING MINDSET / DELIVER PHASE / IMPLEMENT

Draw an Environments and Location Diagram

Display the geographical locations of the building blocks along with details specific to their runtime environments.

Why To Draw an Environments and Location Diagram

The Environments and Location Diagram illustrates which architecture and solution building blocks are deployed at which location, along with the interactions between these blocks.

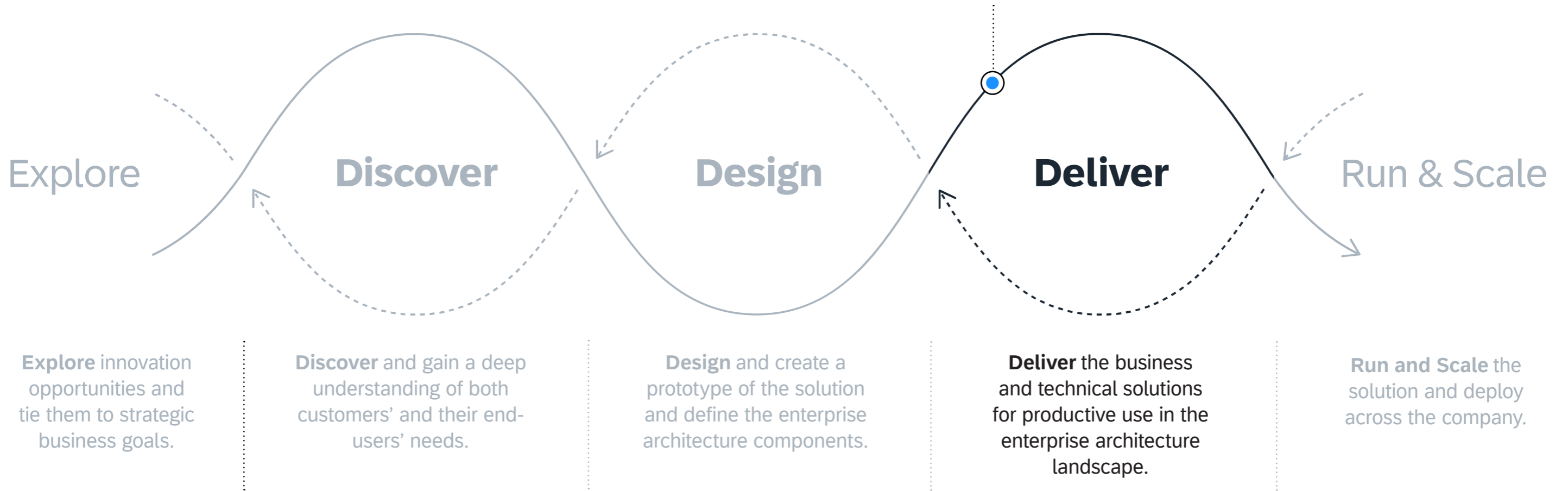
The Environments and Location Diagram helps you understand the interactions between building blocks across different geographical locations. To enhance this, also include the locations of the users who will interact with the intended solution.



When To Draw an Environments and Location Diagram

The Environments and Location Diagram is created during the Deliver phase after the **Software Distribution Diagram**.

Draw an Environments and Location Diagram



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

How To

Draw an Environments and Location Diagram



Duration
Approx. 30 - 60 Minutes



Participation
1 - 3 People



Roles
**Enterprise Architects,
Developers, End Users**



Use Input From

- **Visualize the Software Distribution**
- **Describe the Baseline Solution Architecture**
- **Visualize the Solution Context**
- **Craft a Solution Realization Diagram**

Steps

- 1 Pick up the previously created **Software Distribution Diagram** and evolve it into the Environments and Location Diagram.
- 2 Identify the deployment environments in which your building blocks are running. Enhance the “landing zones” of the **Software Distribution Diagram** by explicitly naming the data center providers, specifying data center locations, and including infrastructure-specific details for each “landing zone.”
- 3 Map the solution building blocks, as defined in the Solution Realization Diagram, to the deployment environments.
- 4 Visualize the relationships of type request-response or information flow between the building blocks. This helps to understand network requirements.

Expert Tips

Consider the **Solution Context Diagram**, to pick up the existing IT systems and users interacting with the solution. For this, you can also look at the **Baseline Solution Architecture Diagram**.

The list of solution building blocks, which you will map to the locations and deployment environments, is taken from the **Solution Realization Diagram**.

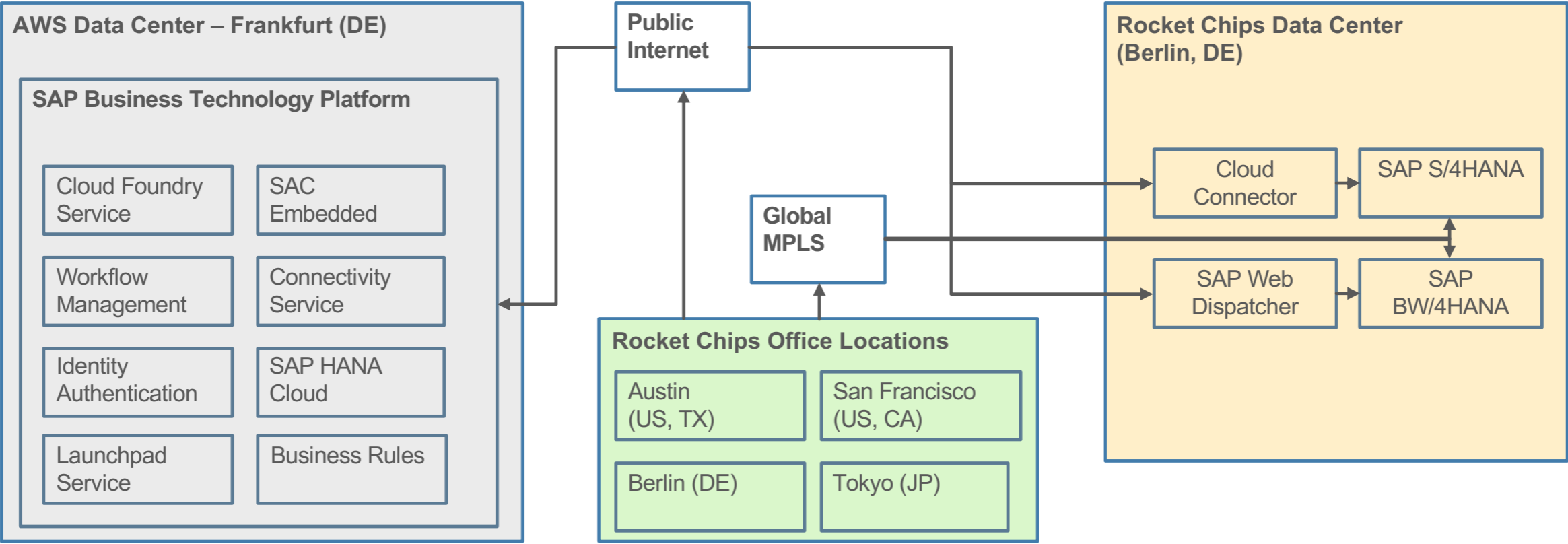
You can also outline different deployment environments such as development, test and production.

Add technical details about the specific runtime environments of the solution building blocks as well as network related details, in case they are relevant.

Remember to update your **Architectural Decisions List**.

Example

Environments and Location Diagram



Legend:
 Request response: —————>
 Information flow from source to target: - - - - ->