# How to arrange an optimal deployment of SAP products in a system landscape

Dirk Anthony, SAP SE

Public

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# Your Presenter for Today

## Dirk Anthony

**IT Landscape Architect**

CoE Enterprise Architecture, SAP Product & Innovations

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# Agenda

Flashback

Landscape Architecture & Product Deployments

Consumption of Information in SAP Enterprise Architecture Explorer

Summary

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# Agenda

**Flashback**

Landscape Architecture & Product Deployments

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Summary

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# Overview of planned webinars

http://events.sap.com/de/sap-user-groups-knowledge-transfer/en/sap_user_experience_explorer

| Title | Abstract | Date |
|---|---|---|
| **The Evolution from SAP UX Explorer to SAP Enterprise Architecture Explorer** | SAP Enterprise Architecture Explorer is a self-service provided by SAP that provides answers to many of your enterprise-related questions. It provides a well-structured and easy way to get to know your options and their relations to the necessary focus areas such as User Experience, Landscape Architecture, offerings such as SAP products and services as well as Enterprise Architecture. In this session you will learn in more detail what this Explorer is, which benefits it provides and how you can use it to quickly increase your know-how about relevant technologies, strategies and methods. | **DONE** |
| **User Experience and Landscape Architecture in the light of Enterprise Architecture** | If you are an enterprise architect you are typically searching for information that covers both, the business and IT perspective. In addition, you might like to see IT not only as a set of boxes and software. Instead you might want to get the topic structured and related to IT capabilities. SAP helps you in this matter with a structured approach to provide architecture viewpoints, transition paths and other elements on various burning topics. In this session, we want to introduce this approach and share the current state of this effort. This session will include real-life examples focused on User Experience (UX) and Landscape Architecture. | **DONE** |
| **How to start developing an enterprise UX strategy** | You might already know the SAP UX Strategy which provides a lot of important information. However, one question might still be in your mind: “How can I start now with my enterprise UX Strategy”. In fact if you seriously want to improve user experience in your enterprise, you will need your own strategy that considers the business and IT goals of your company. Besides the strategy, you will need a roadmap and of course a process that combines all that in a consistent approach. This session provides insight in how to define your strategy, shows a tested process and provides several viewpoints on this matter. | **DONE** |
| **How to arrange an optimal deployment of SAP products in a system landscape** | Before implementing a new SAP product, IT departments need to decide how best to deploy this product within their system landscape. Information about the deployment architecture of the product needs to be analyzed. Useful deployment options have to be evaluated. Finally the planned landscape architecture for the new product needs to be determined and the new product has to be implemented and integrated into the existing system landscape. In this session you will learn more about how SAP can help you to identify the optimal deployment of its products in your system landscape. | **TODAY** |
| **How to use SAP PowerDesigner to model your landscape architecture** | SAP PowerDesigner is known as a business process and data modelling software for Enterprise Architecture (EA). It helps you to build a blueprint of your current and planned enterprise architecture in its entirety to understand its many interdependencies. Though, SAP PowerDesigner is often used to do process- and data modeling, you can also make use of it to model your reference landscape architecture. In this session we are going to perform a live demo of how to use SAP PowerDesigner to model such an architecture based on given business and IT priorities. | May 3 |

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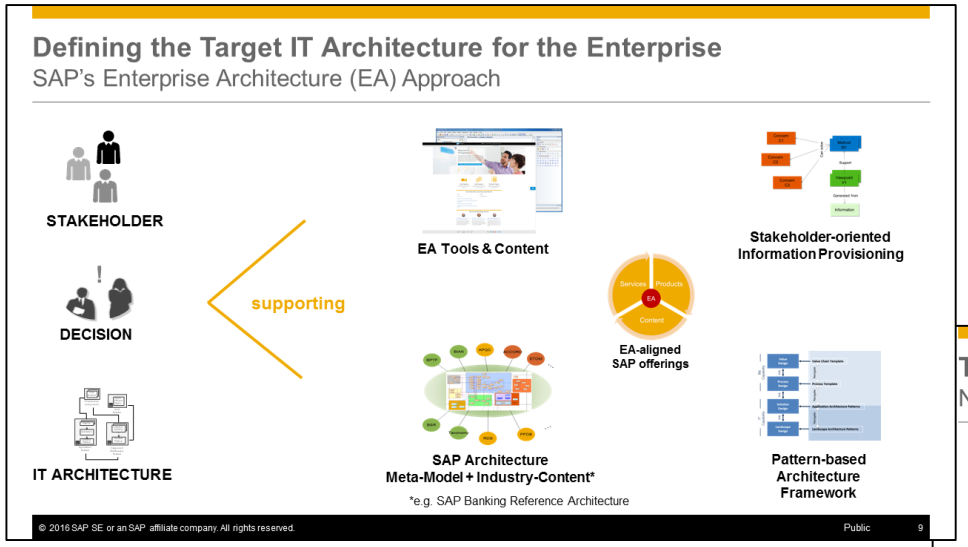
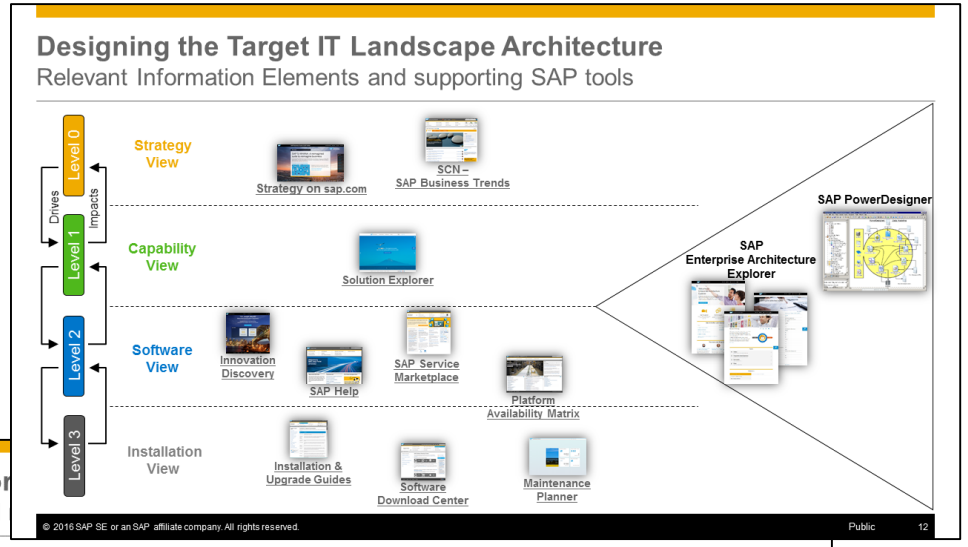
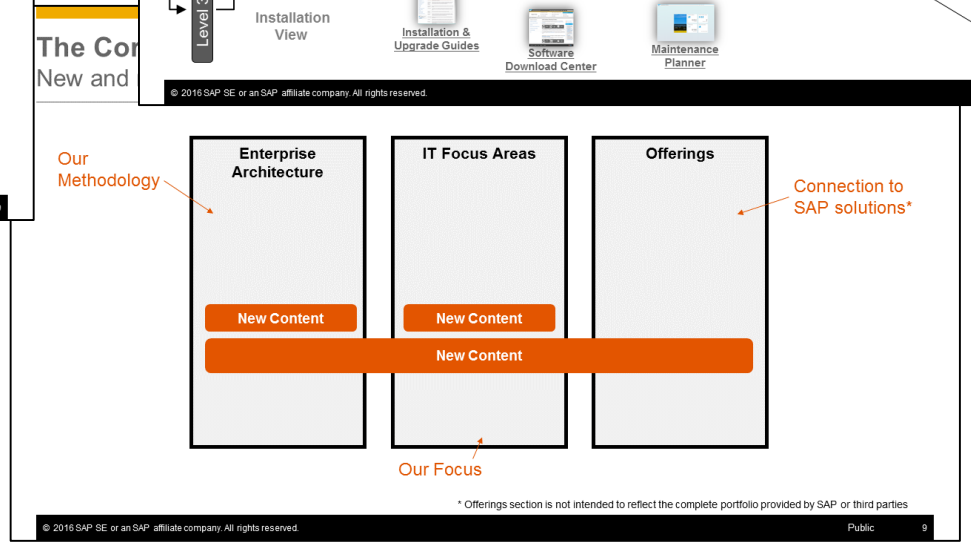
# Flashback Webinar 1+2

## What we have talked about in the first two webinars




Webinar 1 + 2

**SAP Enterprise Architecture Explorer & Content**

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# Agenda

Flashback

**Landscape Architecture & Product Deployments**

Consumption of Information in SAP Enterprise Architecture Explorer

Summary

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# Customer Landscape Architecture

## Different relevant Architecture Viewpoints on IT Landscapes*

Level 0

Drives

Impacts

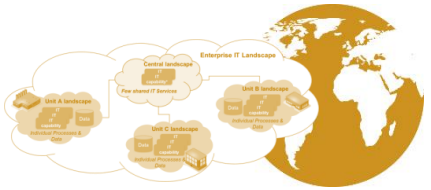
Level 1

Level 2

Level 3

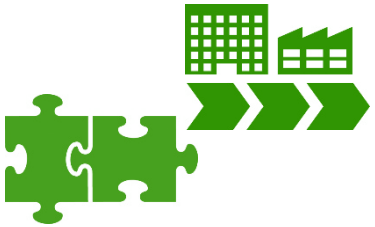
### Strategy View

***Driver: Operating model, Business Goals, Business & IT strategy, etc.***



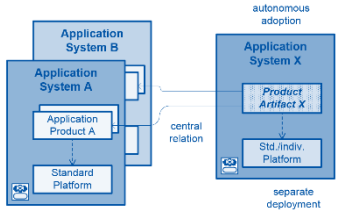
### Capability View

***Driver: Business context, Pace-layering architecture, etc.***



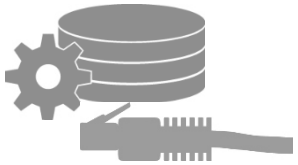
### Software Product View

***Driver: Adoption of Application & Technology Products or Services, Technical Deployment, etc.***




### Physical Installation View

***Driver: Physical Distribution of Software & Hardware components, Sizing, Scalability, High Availability, etc.***



*details about Landscape Architecture

**Focus of Enterprise Architecture Management**

Hidden by IaaS

Hidden by PaaS

Hidden by SaaS

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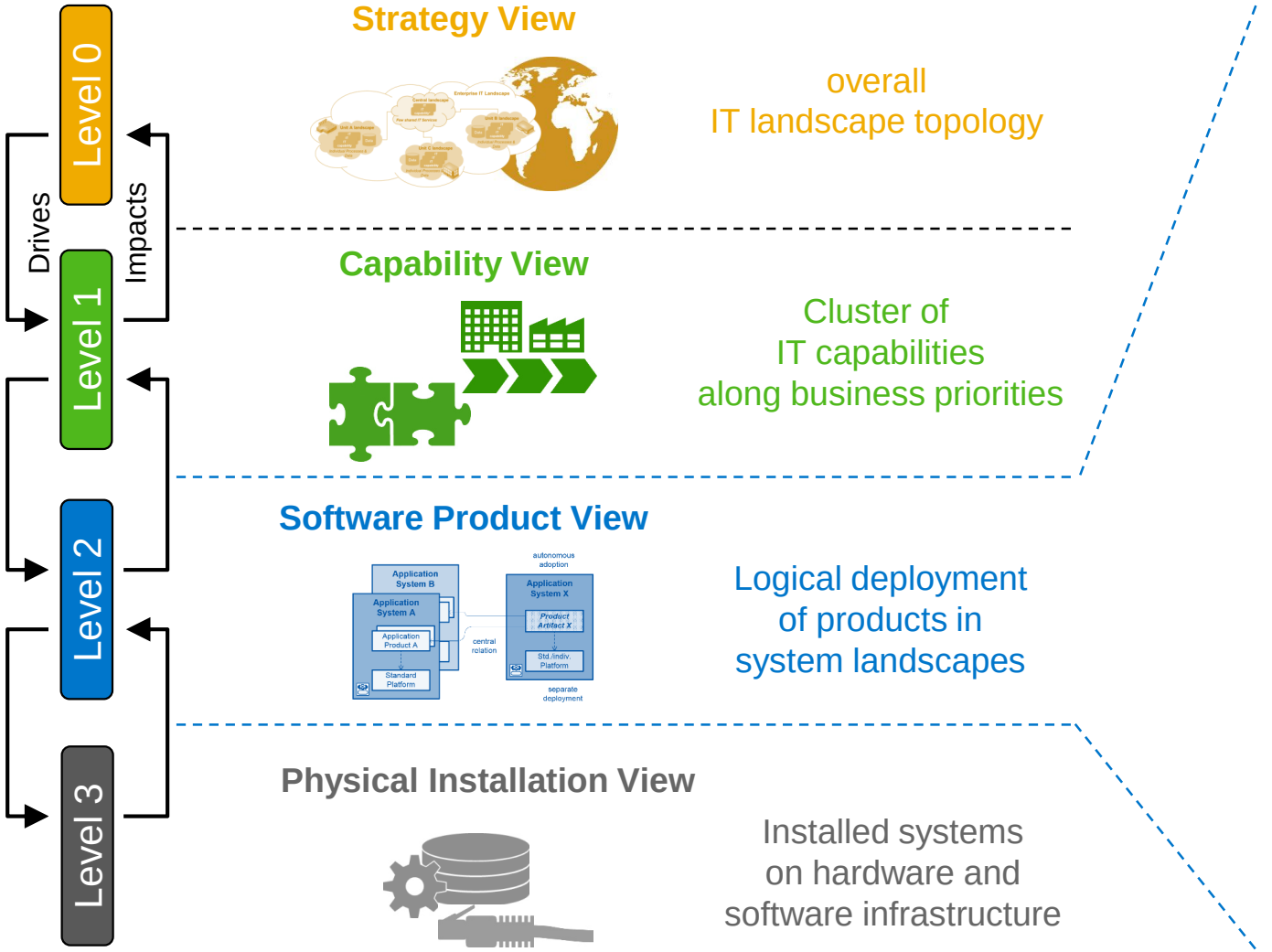
# Customer Landscape Architecture

## Landscape Deployment of Software Products




### Relevant deployment decisions

- Technical adoption of product features (autonomous vs. incorporated deployment)
- Technical relation of the product within the landscape (local vs. central deployment)
- Technical deployment of the product on a platform (separate vs. co-deployment)

### Influencing conditions

- Deployment architecture of the product
- Feasible landscape options for the product
- Optimization criteria
- Customer specific conditions

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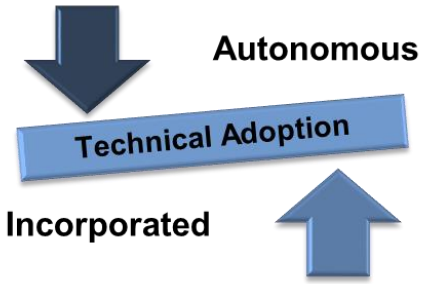
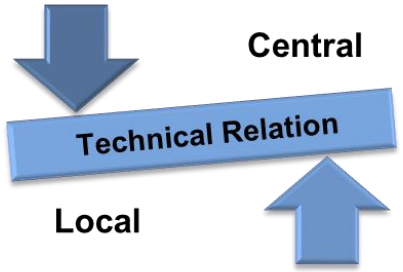
# Deployment Decisions in System Landscapes

## Describe Landscape Options via Architecture Pattern

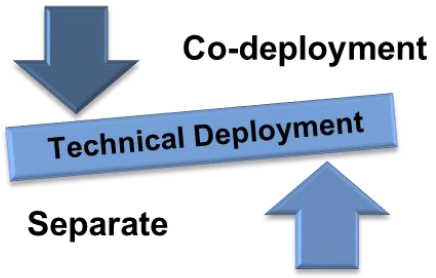
**Reflecting important landscape characteristics along the deployment decisions**




- functional role
- innovation cycle
- software delivery




- landscape cardinality
- version management




- system layout
- software management

**Describing landscape behaviors and typical advantages & drawbacks of different landscape options with the help of System Landscape Patterns***

* Details about System Landscape Pattern

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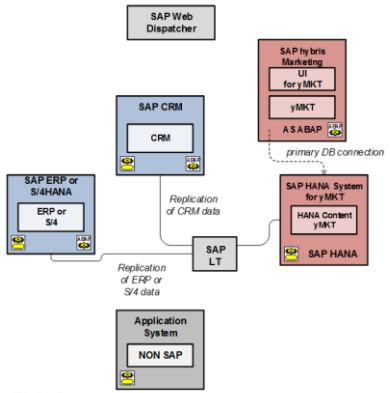
# Landscape Deployment of SAP Products

Example:
Deployment Architecture of SAP hybris Marketing




**Deployment Architecture:**

The deployment architecture of SAP hybris Marketing is based on the following main technical components:

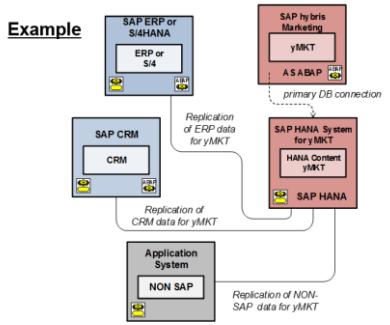
- SAP UI5-based User Interfaces (UIs) for SAP hybris Marketing
- An application system based on SAP NetWeaver AS ABAP
- The SAP hybris Marketing (yMKT) Add-On that is installed in this system
- A SAP HANA system that serves as database for the application data and that contains dedicated application content (tables, views, procedures, search models)

Depending on the aimed business scenario, additional application systems might be required that need to be integrated. In order to access the business data of these application systems within the SAP HANA system of SAP hybris Marketing, a replicator might be required as well:

- SAP LT serves as replicator for SAP ERP or SAP CRM
- SAP Data Services serves as replicator for NON-SAP application system
- Web Services serve as replicator for SAP Cloud system

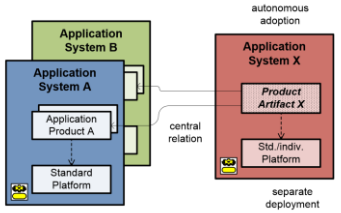
## Covering

- Information about the deployment architecture of a specific SAP product
- List of main building blocks that need to be deployed within a system landscape
- Links to further information that is relevant in this context
- Catalog of feasible landscape deployment options based on System Landscape Patterns
- Description of typical benefits and considerations of each landscape deployment option




Deployment Option 1 of SAP hybris Marketing

Pros & Cons




System Landscape Pattern: Single-Product Hub Deployment

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# Landscape Deployment Recommendations

## Rating of different landscape deployment options for certain SAP products

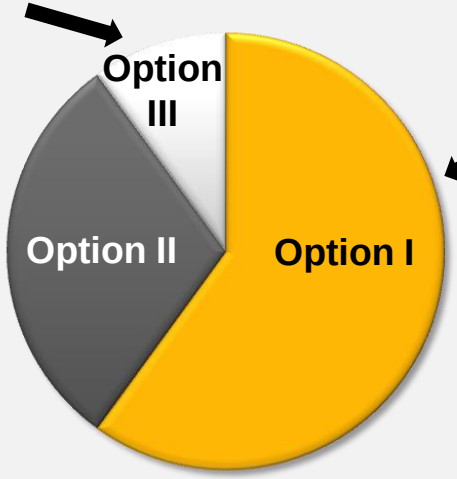
### Clear recommendations by categorization of deployment options

**Possible Exception**

- Only useful for specific use cases
- Supported by SAP, but limitations might occur

**Reasonable Alternative**

- Useful choice for certain use cases or customer scenarios
- Supported and confirmed by SAP's strategy




**General Recommendation**

- Best choice for majority of typical landscape use cases
- Recommended by SAP's strategy
- Accepted by a wide base of customers

**Disclaimer:**

- Alternative deployment options typically have different pros & cons
- Customer individual assessment is **not** compensated

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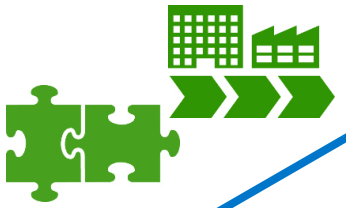
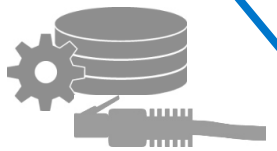
# IT Landscape Architecture on Level 2 (Software Product View)

## Supporting deliverables by SAP



SAP Service Marketplace

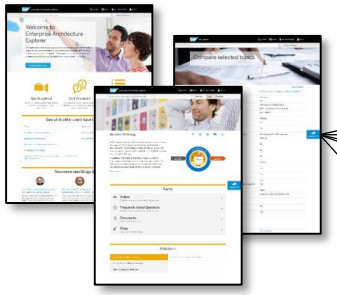
SAP Help

Platform Availability Matrix

SAP Notes

Installation & Upgrade Guides

**SAP Enterprise Architecture Explorer**



**Topics in SAP EA Explorer:**

- Landscape Concern
- SAP Products
- Landscape Deployment Options
- System Landscape Pattern
- Landscape Deployment Recommendations

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# Agenda

Flashback

Landscape Architecture & Product Deployments

**Consumption of Information in SAP Enterprise Architecture Explorer**

Summary

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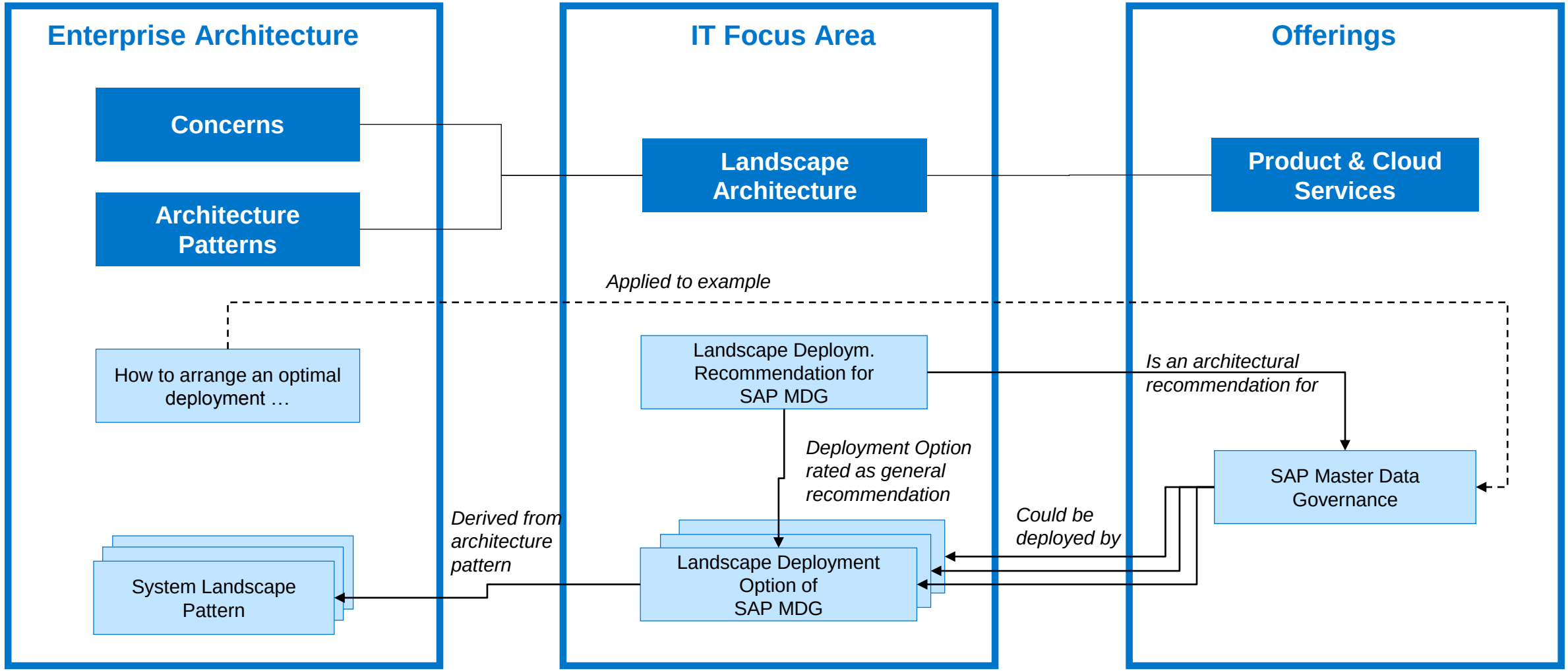
# Landscape Deployment of SAP Master Data Governance

## EA-based Guidance for Landscape Architecture on Level 2 (Product Software View)

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# Help for Customers on different Information Grade

## SAP Enterprise Architecture Explorer and SAP Power Designer

**Jumpstart**

- Get a quick overview of a certain topic
- Get answers to typical questions
- Compare topics
- Review benefits, features and more

**Get enabled**

- Get enablement material
- Learn how to convince others in your company
- Get a quick overview of possible options and approaches

**Learn from generic practices**

- Learn from typical practices
- Get methods
- Get reference models
- Get reference architectures

**Learn from detailed practices**

- Review reference architecture models in all detail

**Adapt practices to customer needs**

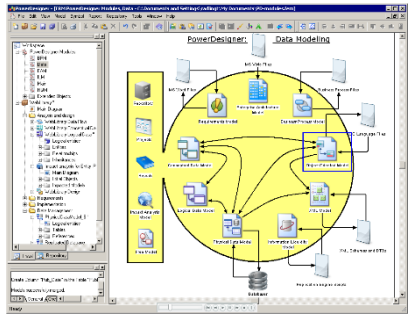
- Adapt reference architecture models to your needs
- Create own architecture models

100%

### SAP Enterprise Architecture Explorer

Specialized SAP sources

### SAP PowerDesigner

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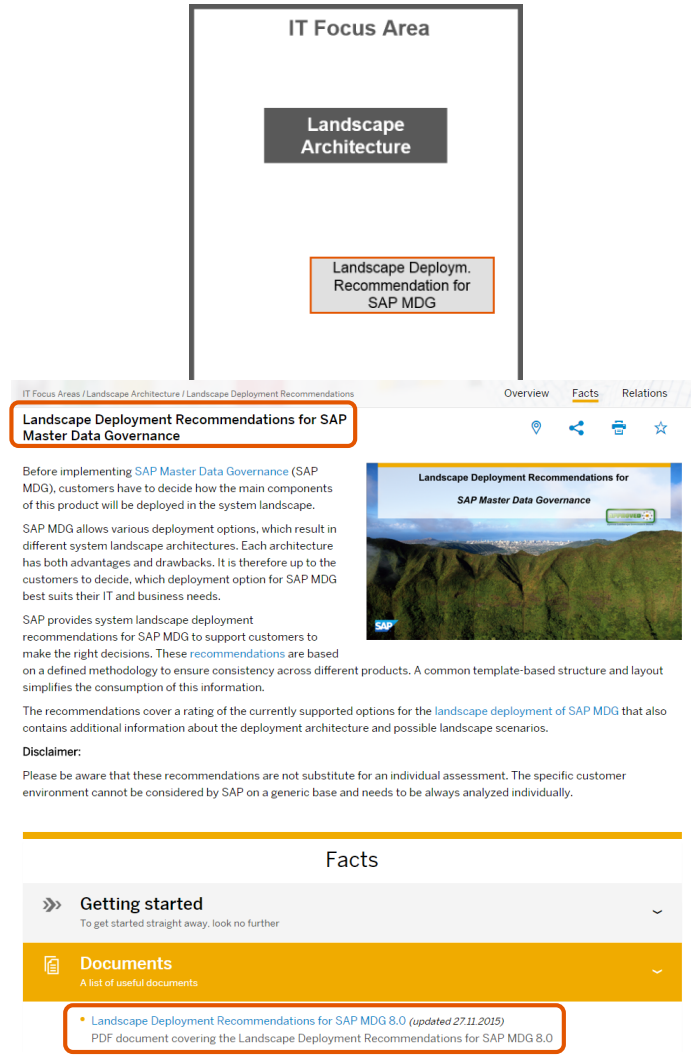
# Help for Customers: Jumpstart

## SAP Enterprise Architecture Explorer

**Jumpstart**

- Get a quick overview of a certain topic
- Get answers to typical questions
- Compare topics
- Review benefits, features and more

***Search for -> Single Topic***

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# Help for Customers: Get Enabled

## SAP Enterprise Architecture Explorer

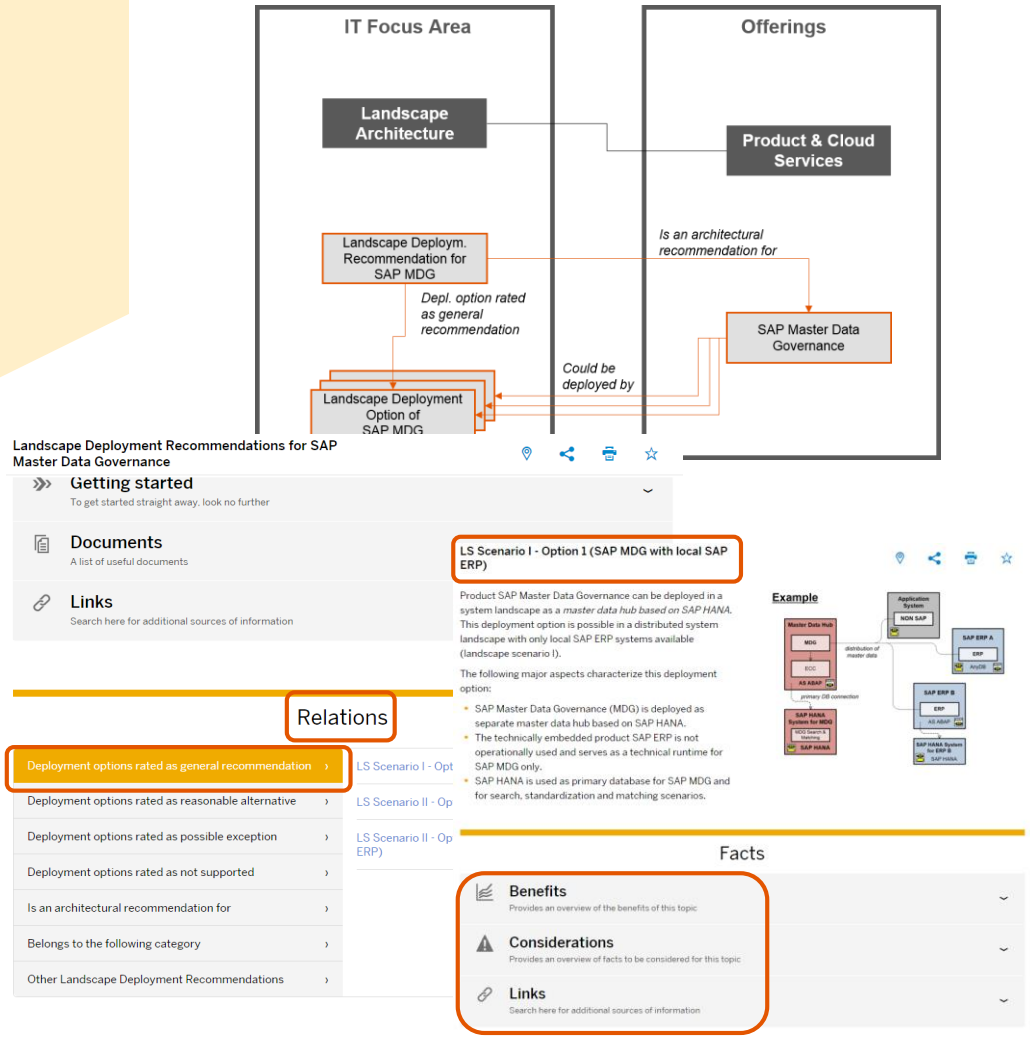
**Jumpstart**

- Get a quick overview of a certain topic
- Get answers to typical questions
- Compare topics
- Review benefits, features and more

**Get enabled**

- Get enablement material
- Learn how to convince others in your company
- Get a quick overview of possible options and approaches

***Explore -> Related Topics***

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# Help for Customers: Learn from Generic Practices

## SAP Enterprise Architecture Explorer

**Jumpstart**

- Get a quick overview of a certain topic
- Get answers to typical questions
- Compare topics
- Review benefits, features and more

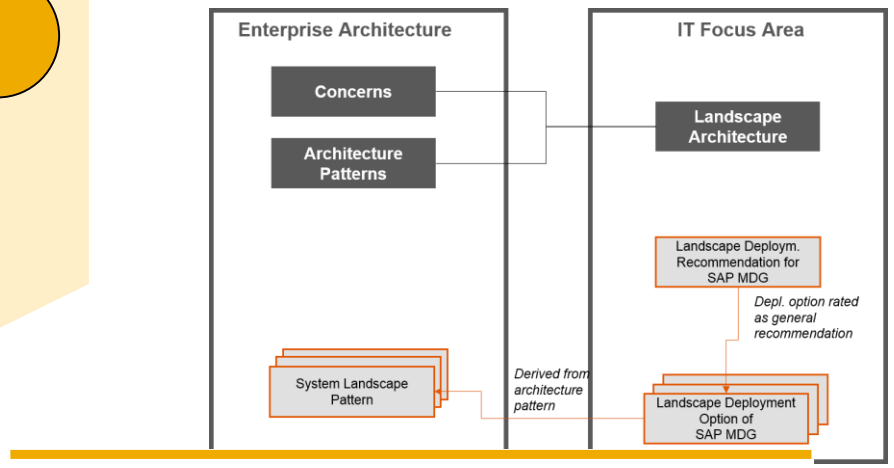
**Get enabled**

- Get enablement material
- Learn how to convince others in your company
- Get a quick overview of possible options and approaches

**Learn from generic practices**

- Learn from typical practices
- Get methods
- Get reference models
- Get reference architectures

***Navigate -> thru EA topics***

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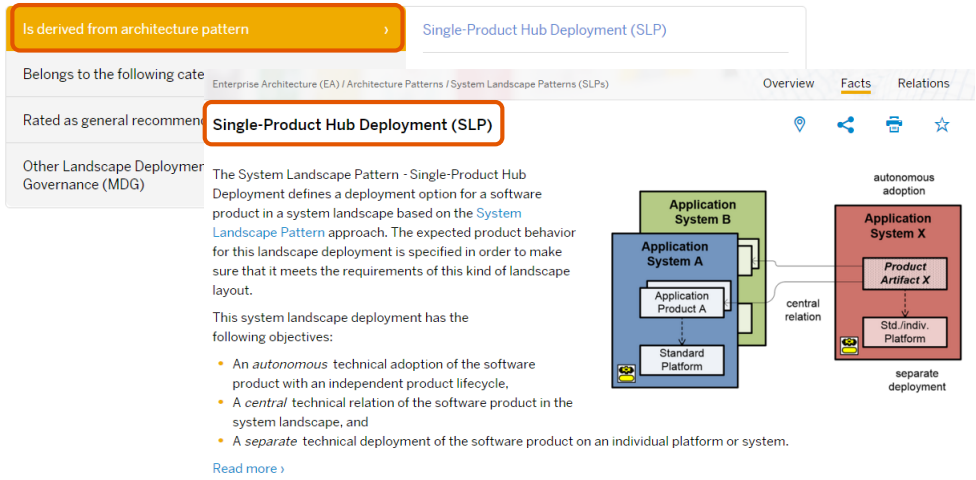


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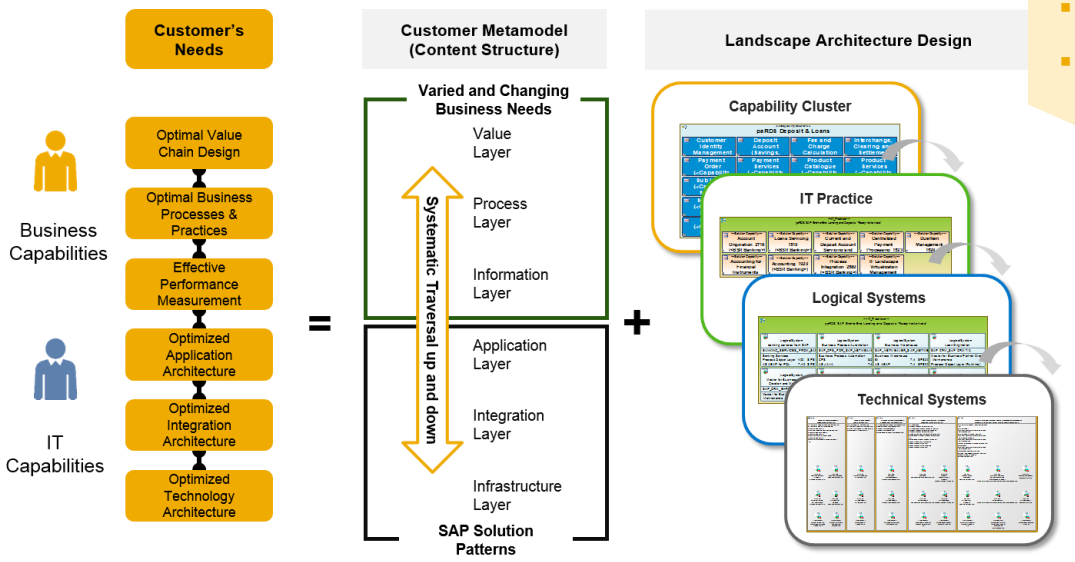
# Help for Customers: Detailed Practices + Adapt Practices

## SAP Power Designer




**Learn from generic practices** → **Learn from detailed practices** → **Adapt practices to customer needs** → **100%**

- Learn from typical practices
- Get methods
- Get reference models
- Get reference architectures

- Review reference architecture models in all detail

- Adapt reference architecture models to your needs
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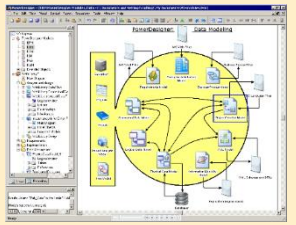
**SAP PowerDesigner**



! Details: **Webinar May, 3 2016**
*"How to use SAP PowerDesigner to model your landscape architecture"*

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# Demo

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# Agenda

Flashback

Landscape Architecture & Product Deployments

Consumption of Information in SAP Enterprise Architecture Explorer

**Summary**

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# Summary

Enterprise Architecture based methodologies help to identify the most suitable system landscape design.

SAP provides different deliverables to support customers

- System Landscape Patterns
- Landscape Deployment Options of SAP Products
- Landscape Deployment Recommendations

This information can be consumed for different levels in different steps

**http://sap.com/eaexplorer**

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# Thank You

## Thank You!
## Any questions?

**Dirk Anthony**

**Mail:** dirk.anthony@sap.com

| Title | Date |
|---|---|
| The Evolution from SAP UX Explorer to SAP Enterprise Architecture Explorer | DONE |
| User Experience and Landscape Architecture in the light of Enterprise Architecture | DONE |
| How to start developing an enterprise UX strategy | DONE |
| How to arrange an optimal deployment of SAP products in a system landscape | DONE |
| How to use SAP PowerDesigner to model your landscape architecture | May 3 |

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