



# SAP Cloud Platform Solution Diagrams & Icons

## Guidelines

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PUBLIC

# Зачем вообще заморачиваться на тему схем

An Architect spends majority of time not with creating architecture, but with

- Acquiring technical information from various sources
- Preparing documents and presentations for stakeholders
- Discussing with developers and stakeholders
- Aligning development efforts with other groups

Communication skills are mandatory!

*\* Why Does Software Cost So Much?:  
And Other Puzzles of the Information Age,  
(1995), p. 218.*

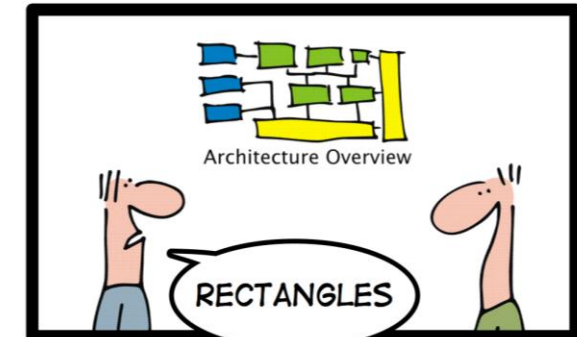
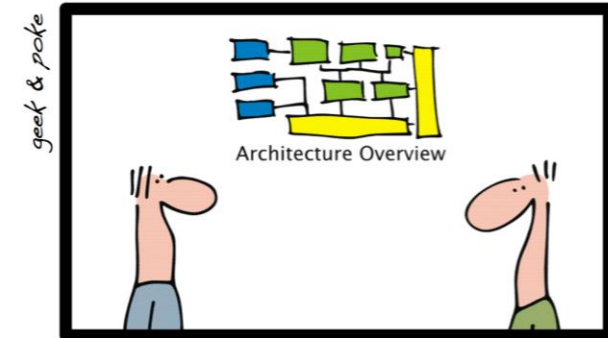
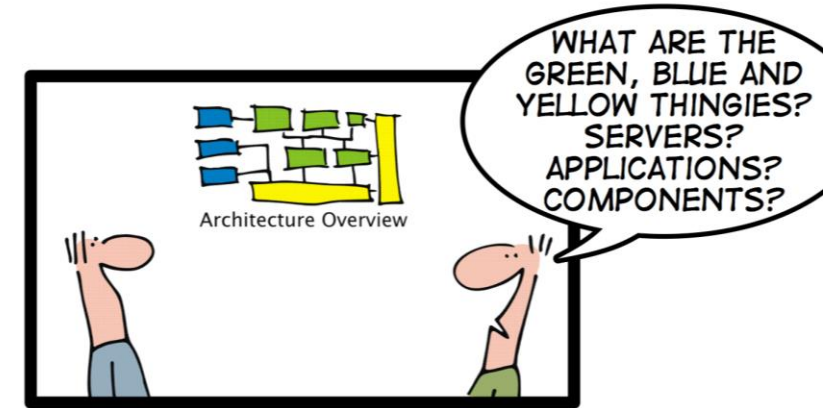
## Где применяем

- Рабочие обсуждения
- Документирование
- Обучение

## Требования

- Просто
- Понятно
- Приятно глазу
- Низкая трудоемкость

## ENTEPRISE ARCHITECTURE MADE EASY



PART 1: DON'T MESS WITH THE GORY DETAILS

Credit: [Geek&Poke](#)

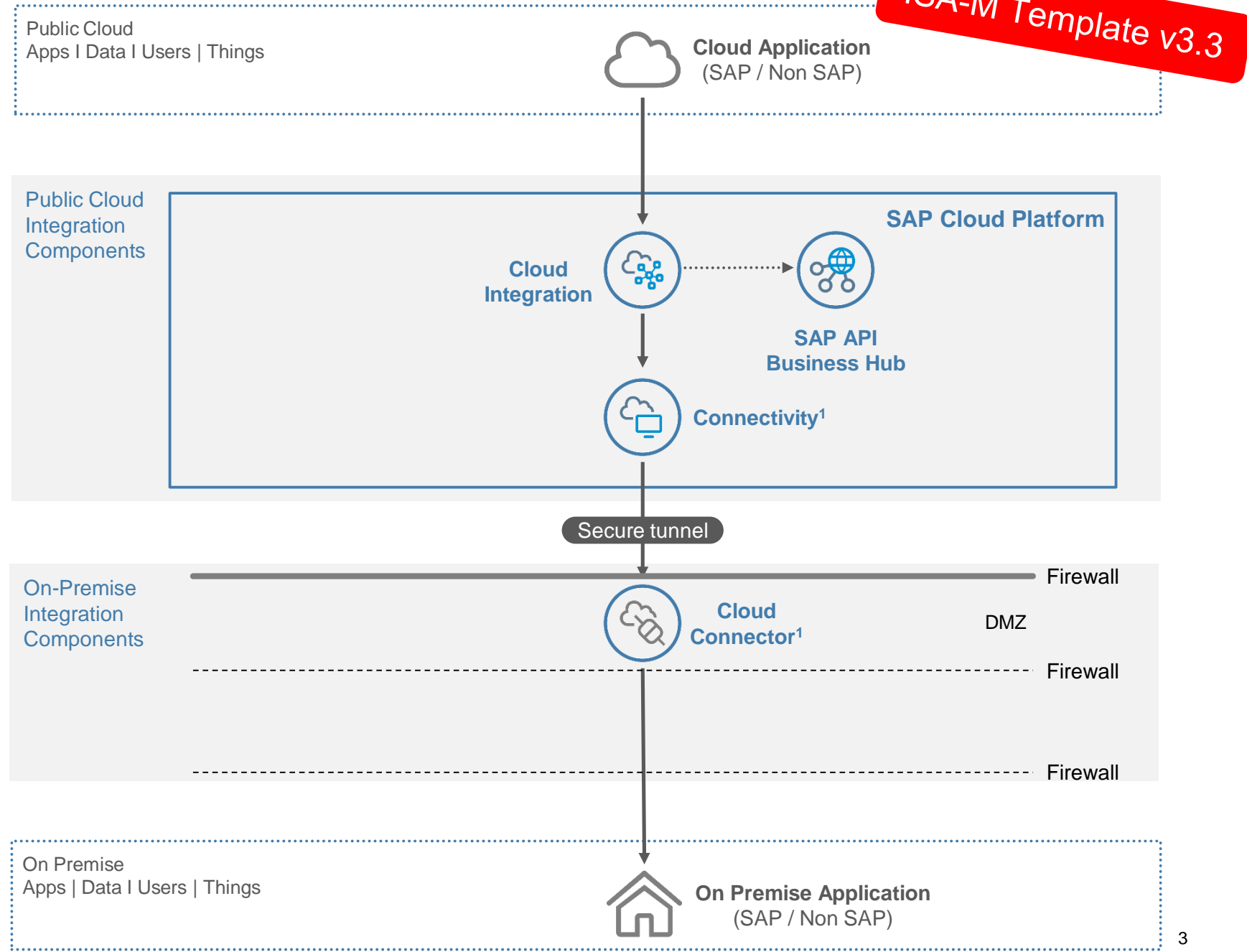
# A2A Integration

## On Premise to Cloud

### Characteristics | Selection Criteria

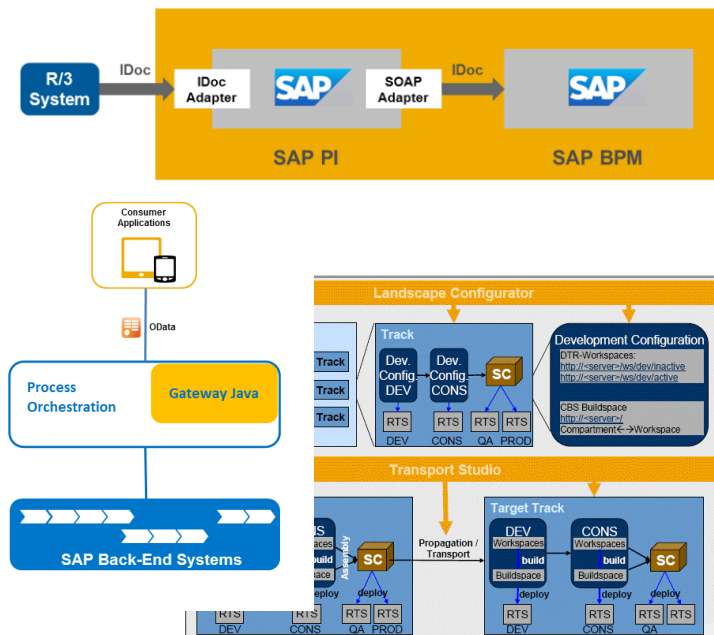
- Hybrid Traffic
- Unaligned APIs
- Pre-Packaged Content
- Structure Mapping
- Value Mapping
- Routing
- Splitting / Aggregation
- Protocol Mediation
- Techn. Exception Handling
- Quality of Service: Best effort, exactly once

**Disclaimer:** this slide shows an illustrative example that needs to be adapted to the specific customer context and requirements. It serves as a starting point for customers to model their hybrid integration use cases.

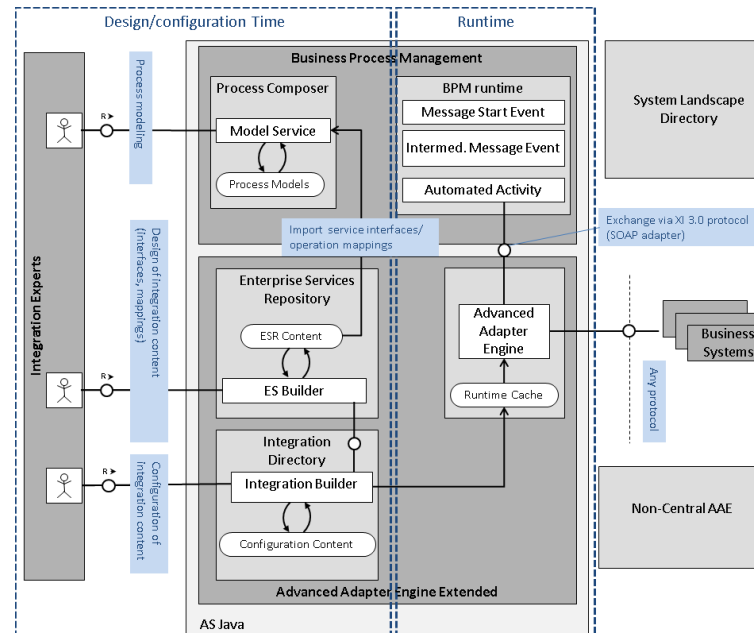


# Техники моделирования архитектуры применяемые в материалах SAP

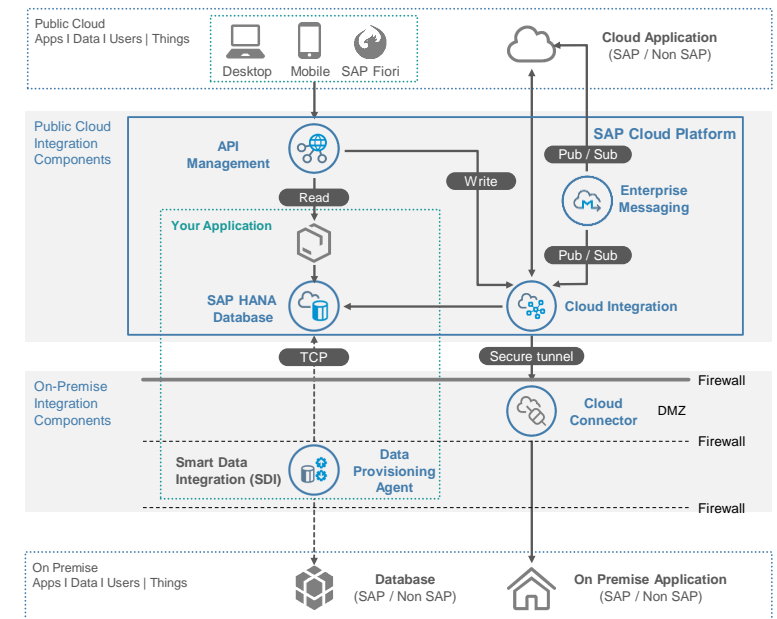
## Freestyle



## Technical Architecture Modeling



## SCP Solution Diagrams



# Пару слов про Technical Architecture Modeling (1/3)

It is a company-wide standard for technical architecture models.

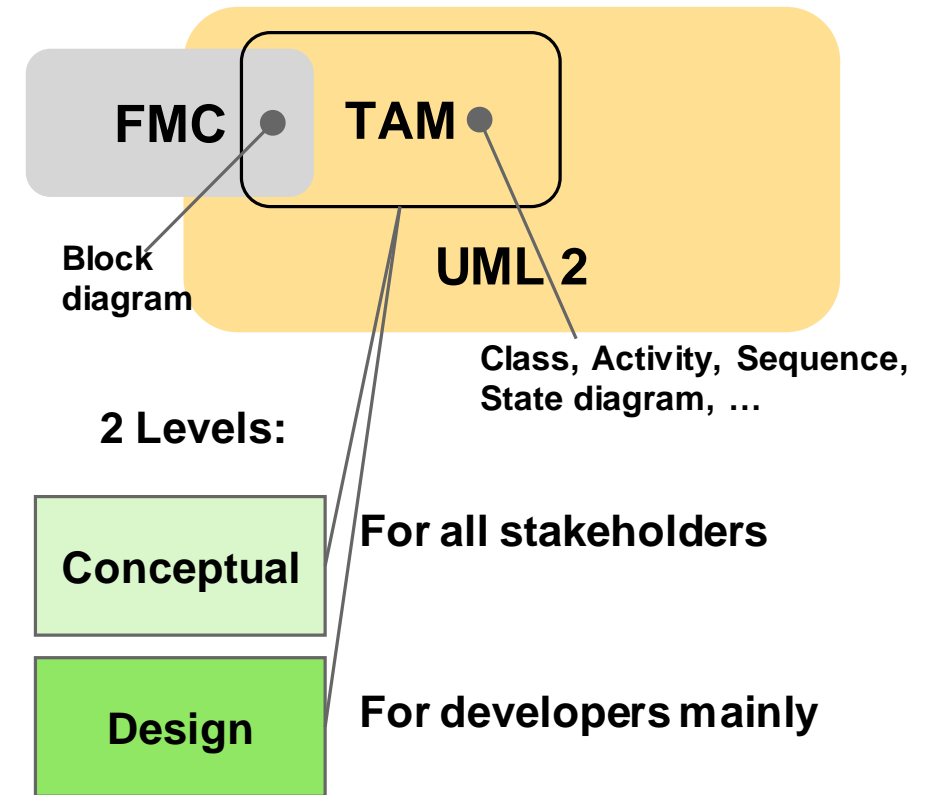
It is based on a long experience of modeling at SAP and on the UML Standard

It defines a subset of UML 2.0 which covers most modeling cases needed at SAP

It assigns the diagrams and elements to the conceptual and design level, and gives guidance when to use which diagram or element type.

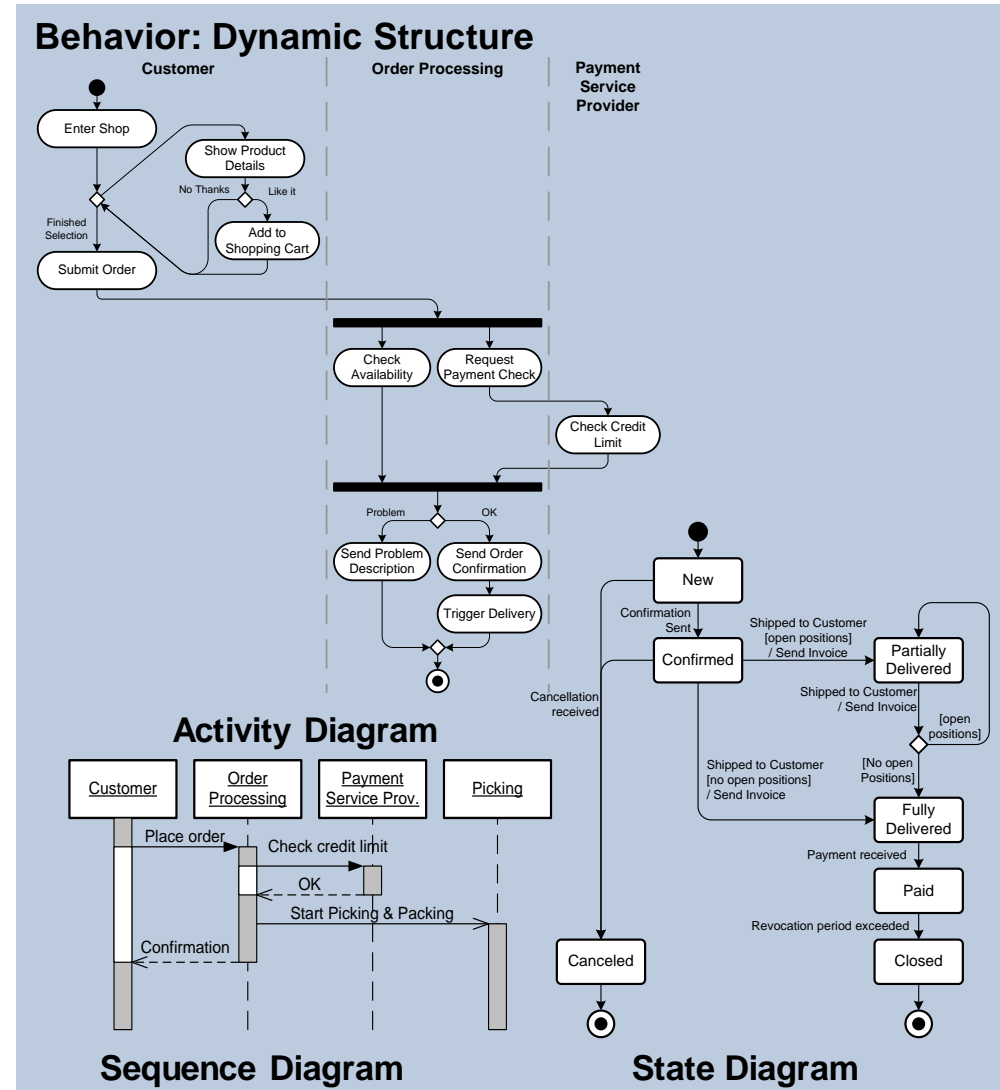
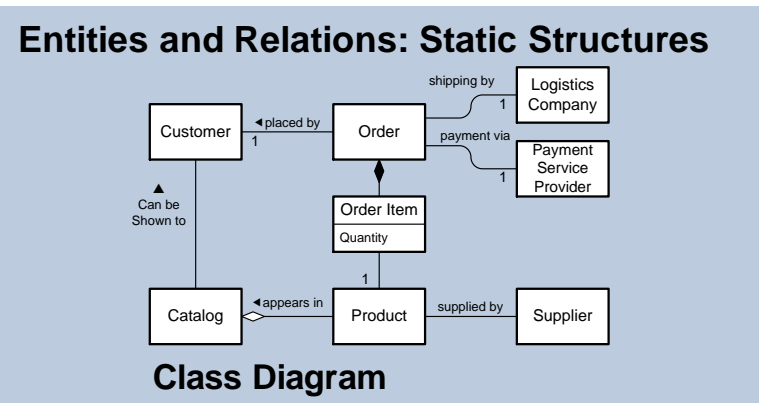
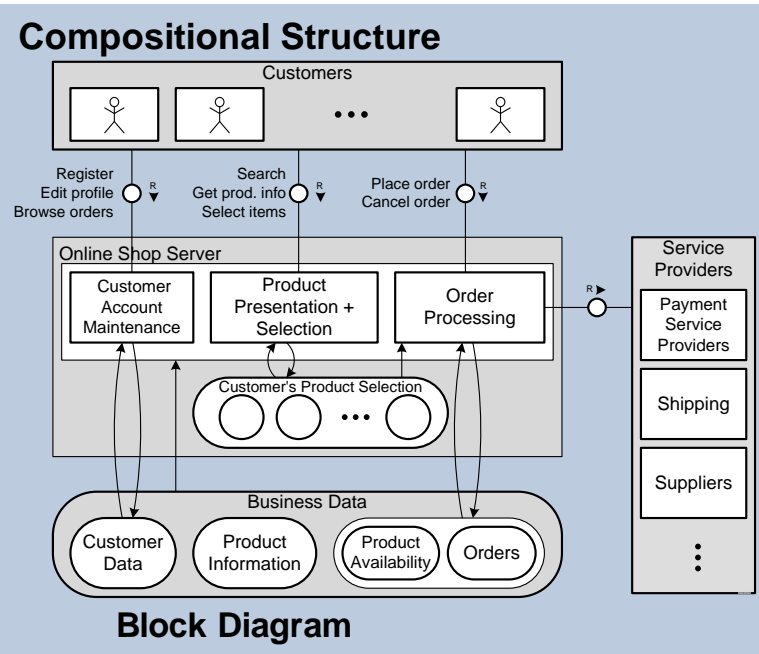
It extends UML with FMC block diagrams which are successfully used at SAP since 1990 for conceptual architecture models.

TAM is mandatory for development.

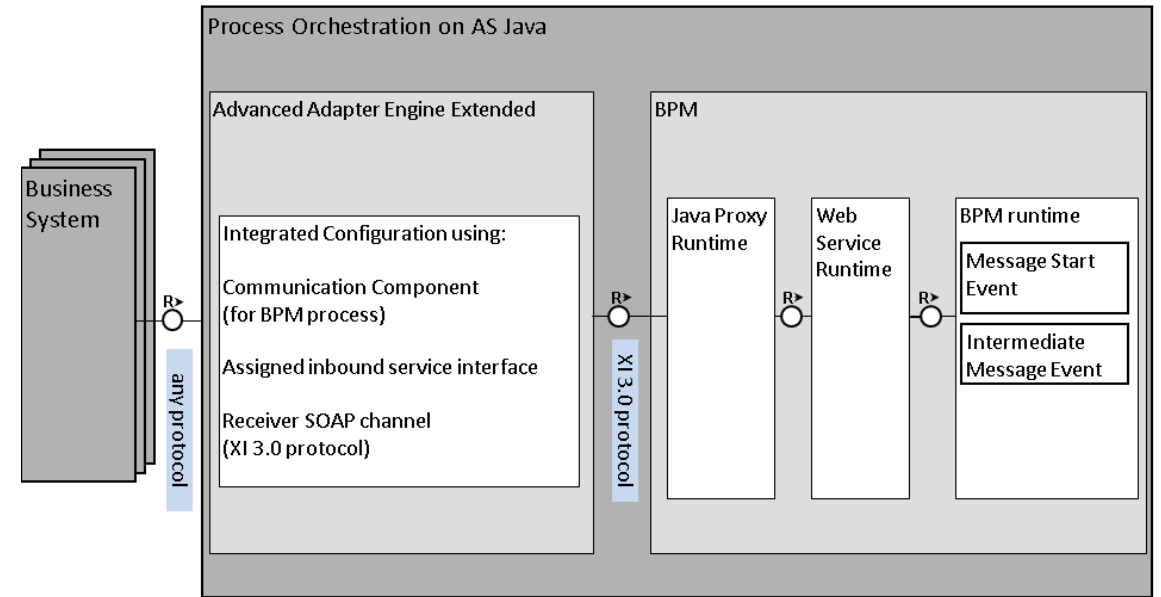
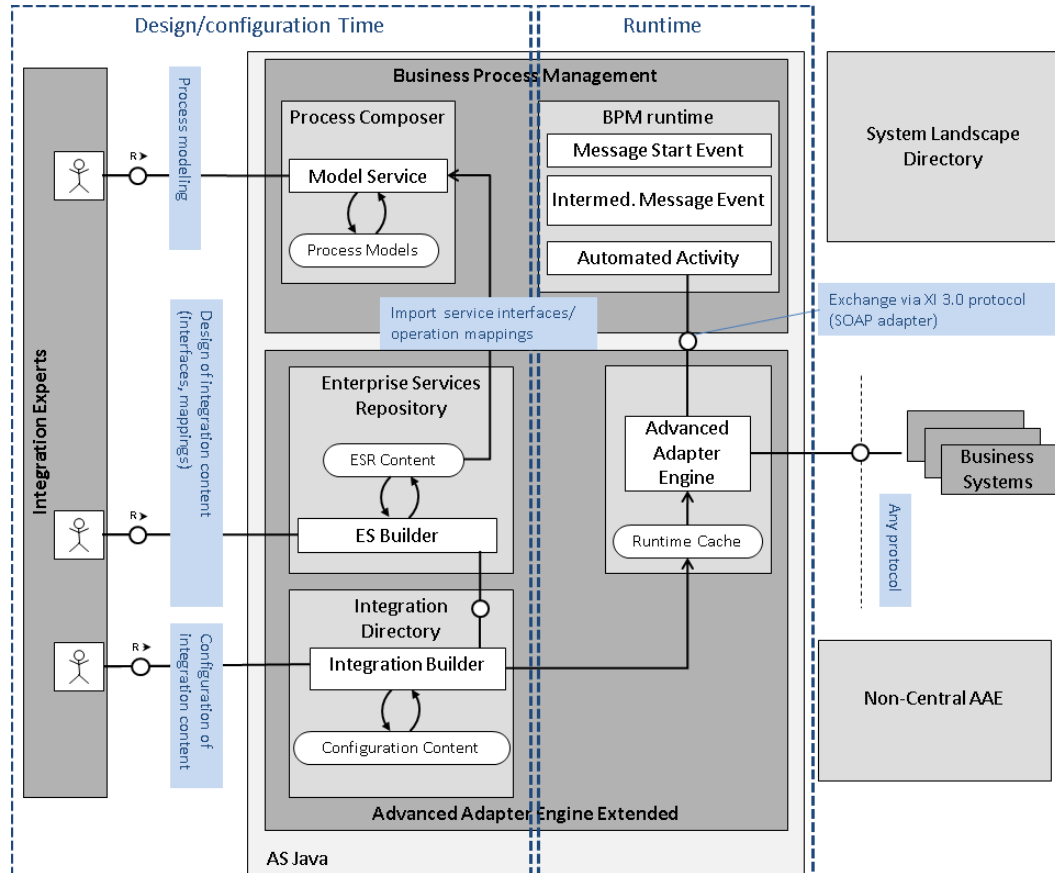


FMC: <http://www.fmc-modeling.org/fmc-and-tam>

# Па́ру слов про Technical Architecture Modeling (2/3)



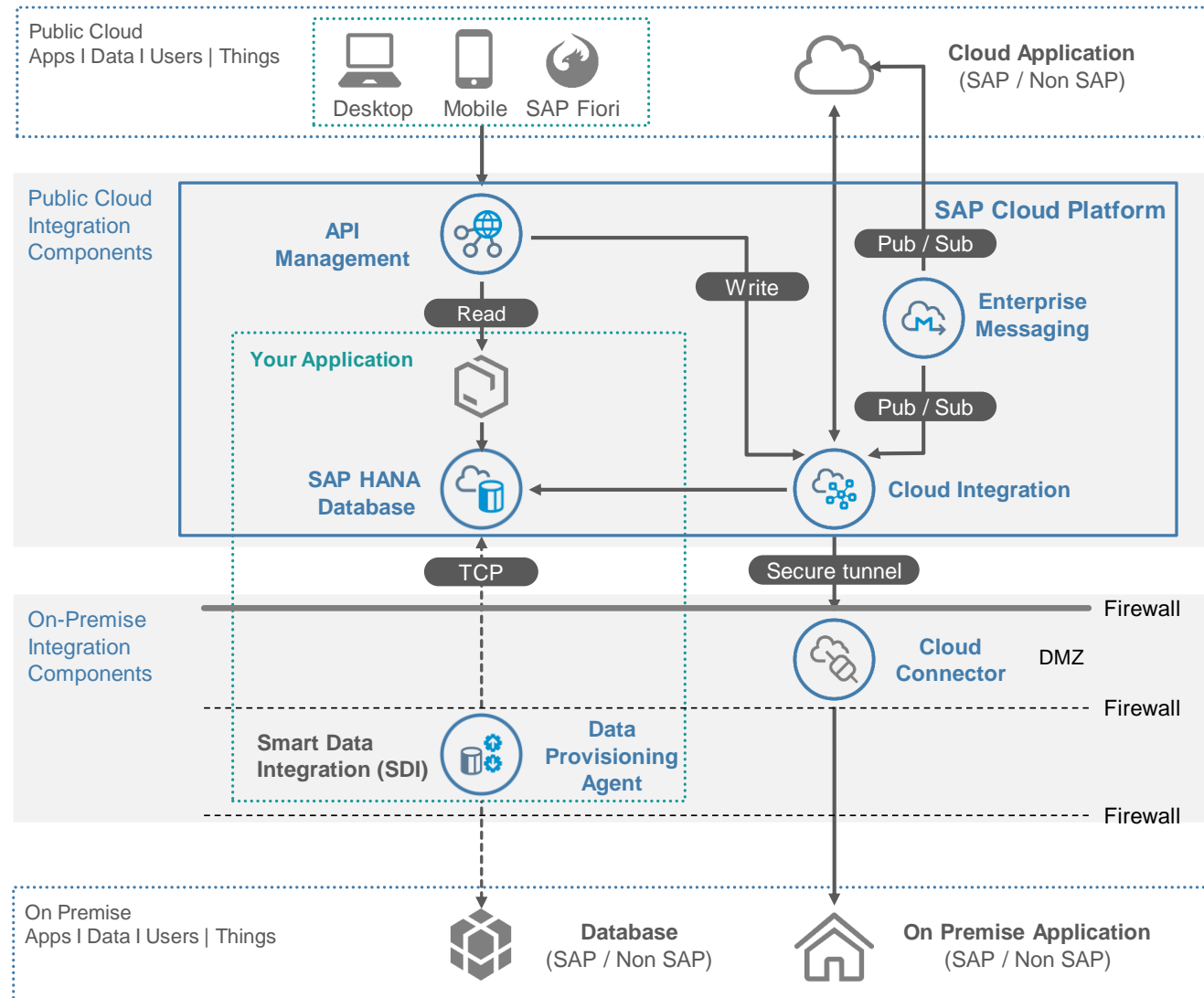
# Пару слов про Technical Architecture Modeling (3/3)



Source: <https://help.sap.com/viewer/3cbd9bae5d3e45ab99e968e0c879beb4/7.5.19/en-US/012e4d47dceb495994fd54c8eba413c7.html>

Source: <https://help.sap.com/viewer/3cbd9bae5d3e45ab99e968e0c879beb4/7.5.19/en-US/a0631841412946f4b624ae20faa9d772.html>

# А теперь, наконец, про SCP Solution Diagrams & Icons



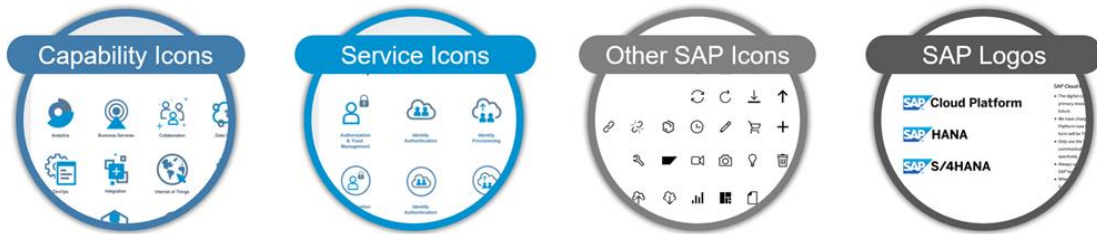


# SCP Solution Diagrams & Icons Guidelines

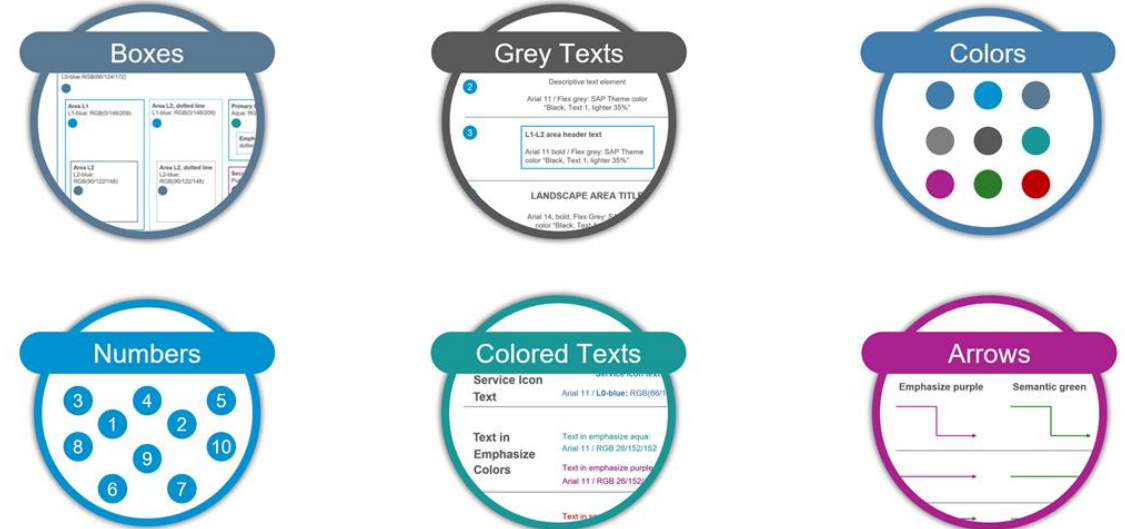
Официальная Wiki страница: <https://wiki.scn.sap.com/wiki/pages/viewpage.action?pageId=477829554>

Слайды MS PowerPoint: [SAP-Cloud-Platform\\_official-solution-diagrams-and-icons\\_v09.pptx](#)

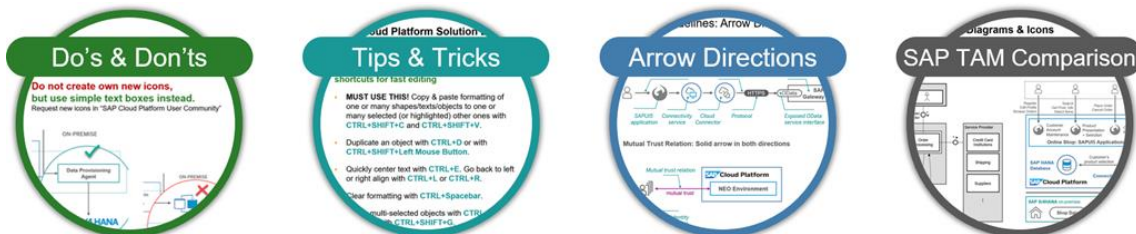
## Use SAP Icons & Logos



## Use Design Elements for MS PowerPoint Slides



## Follow Author Guidelines



# SAP Cloud Platform Solution Diagrams & Icons – Design Guidelines

## Comparison with SAP TAM Block Diagrams (1)

### SAP TAM Block Diagrams

**Purpose:** Most important diagram type for describing architecture. Show the static structure of the system, and provide a big picture view.

Agents process information, communicate via channels, access storage

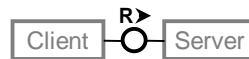


Storage elements contain information accessed by agents.



**Channels** transport information between agents

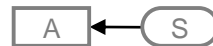
Request-response channels show the direction of a request, indicating the triggering agent (=the Client)



Modifying Access: “A” can read and write storage content



Read-only Access: “A” can only read storage content

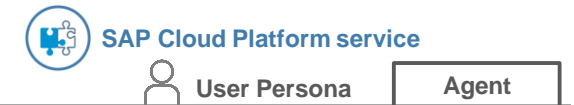


**Notes:** Use class diagrams to show how data is located in storages or exchanged via channels. Use activity or sequence or state diagrams to express the behavior of agents and how they interact.

### SAP Cloud Platform Solution Diagrams

**Purpose:** Domain-specific diagram type that describe SAP Cloud Platform solution scenarios across IT landscapes. Show SAP Cloud Platform services, environments, systems, and their interdependencies.

Agents, systems, SAP Cloud Platform services depicted as blue circled icons, gray icons, or colored boxes



Storage visualized either as corresponding SAP Cloud Platform database as a service icon or as rounded box for non-SAP-Cloud-Platform storages (for example, an on-premise database).



Arrows express “**interdependencies**” between services, components, users, or systems. Interdependencies include request/response channels, usage relations, data flows (for example, data replication, using a dashed line), or trust relations. The standard interdependency is a request/response channel that points from client to server (using a solid line arrow). For mutual relations like a mutual trust relation from one system to another, a bidirectional, solid line arrow is used.

There is no visual difference between modifying and read-only access types; use text annotation to provide additional details that are not represented visually (for example, a modifying read and write access), or use TAM block diagrams instead.

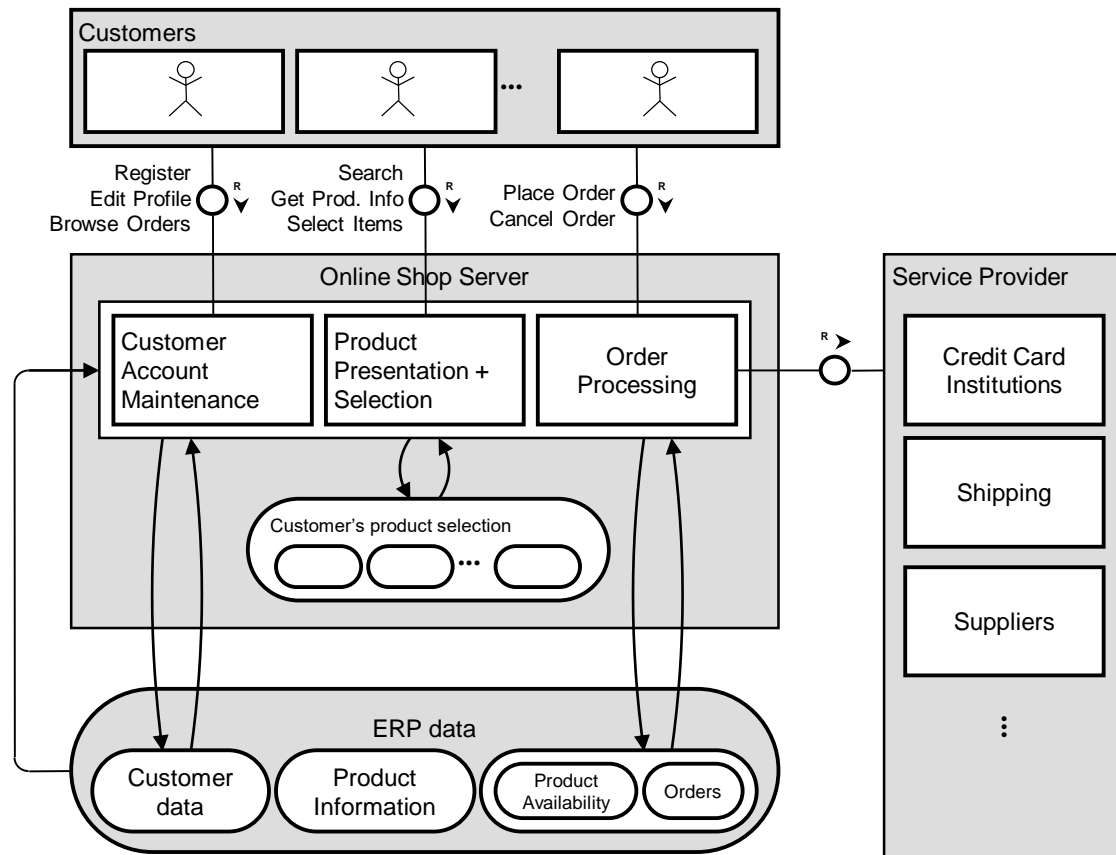
See the [previous slide](#) for more details on arrow directions.

**Notes:** Use SAP TAM Diagrams for more technically detailed SAP Cloud Platform solution architectures.

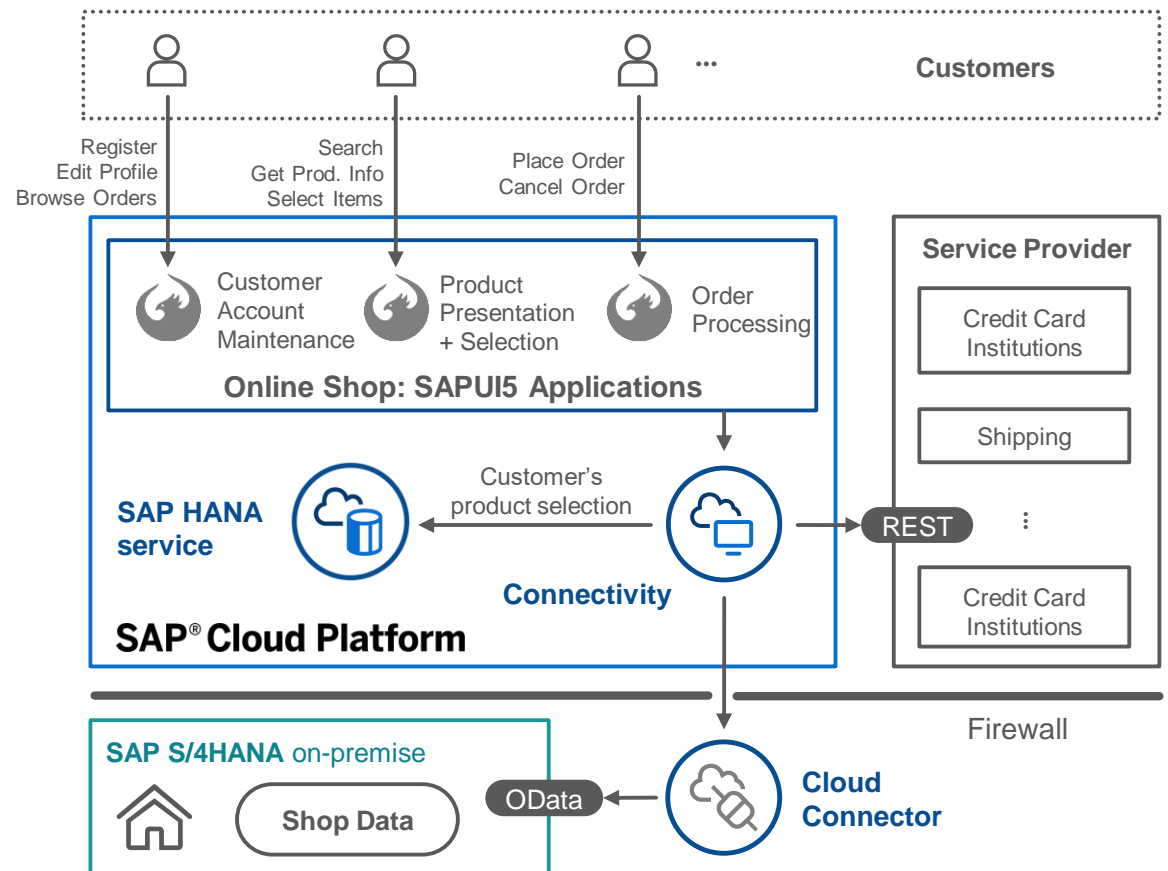
# SAP Cloud Platform Solution Diagrams & Icons – Design Guidelines

## Comparison with SAP TAM Block Diagrams (2)

### SAP TAM Block Diagram Example



### SAP Cloud Platform Solution Diagram Example



# Резюме

Используйте TAM, чтобы:

- Правильно читать схемы в традиционной документации SAP
- Рисовать свои детальные схемы в стиле «как у SAP» с фокусом на внутреннюю архитектуру решения, преимущественно для OnPremise.
- Отражать в графике особенности коммуникаций и информационного обмена между компонентами решения.

Используйте SCP Solution Diagrams, чтобы:

- Правильно читать схемы в новой документации SAP
- Рисовать свои верхоуровневые схемы в стиле «от SAP» с фокусом на архитектуру решения в виде композиции Cloud сервисов и OnPremise сервисов.
- Отражать в графике особенности взаимосвязей между используемыми сервисами.

# Спасибо!

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