

BTP Solution Diagram Design Guidelines

Legal disclaimer

The information in this presentation is confidential and proprietary to SAP and may not be disclosed without the permission of SAP. This presentation is not subject to your license agreement or any other service or subscription agreement with SAP. SAP has no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP's strategy and possible future developments, products, and platforms, directions, and functionality are all subject to change and may be changed by SAP at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. This document is provided without a warranty of any kind, either express or implied, including but not limited to the implied warranties of merchantability, fitness for a particular purpose, or noninfringement. This document is for informational purposes and may not be incorporated into a contract. SAP assumes no responsibility for errors or omissions in this document, except if such damages were caused by SAP's willful misconduct or gross negligence.

All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.

Terms of Use for the SAP Business Technology Platform Solution Diagrams, Design Elements and Icons (see PDF document)

The SAP Terms of Use found here, along with the terms of use that are specific to the SAP Diagrams, Design Elements, and Icons, below, govern your use of these SAP Materials (as defined in the Terms of Use), and related Content and web pages. Unless otherwise indicated, all capitalized words used below shall have the same meanings given to such words in the SAP Terms of Use.

By attempting to access or use these SAP Materials, You agree that these Terms form a legally binding agreement between You ("You" or "Your") and SAP SE, for and on behalf of itself and its subsidiaries and affiliates (as defined in Section 15 of the German Stock Corporation Act), and You agree to be bound by these terms with respect to your use of the Diagrams and Icons. If You are accessing the SAP Materials on behalf of Your employer in your capacity as an employee, or as a consultant or agent of a third party (this third party in any of these cases being referred to as "Your Company"), You represent and warrant that You have the authority to act on behalf of and bind Your Company to these Terms, and everywhere in this Agreement that refers to 'You' or 'Your' shall also include Your Company. If You do not agree to these terms, do not attempt to access or use the SAP Materials.

1. You are entitled to (a) access the Diagrams, Design Elements, and Icons, and use these SAP Materials as a reference tool for activities you perform as an individual or as part of your employment, and (b) include these SAP Materials in documents, reports, or other works that you create in direct or indirect support of the deployment or use of SAP products or services (including a third party's deployment or use of SAP products or services). The above described use is subject to SAP's policies on the Use of Copyrighted Material found at this page <https://www.sap.com/corporate/en/legal/copyright/use-of-copyrighted-material.html> including the following conditions set forth in Section II:

§The SAP Materials and all copies shall remain at all times the exclusive property of SAP SE and/or an SAP affiliate company.

§You must use the SAP Materials without modification (except as may be necessary to resize or otherwise convert the SAP Material to a permitted format).

§In the event You use more than an incidental number or terms or definitions in your work, You must include the statement indicating the SAP Materials are "Used with permission of SAP SE" in a prominent location.

§You may not use the SAP Material in any offensive manner or context, for example in a way that is defamatory, disparaging or libelous to, or otherwise presents false or misleading information regarding, SAP or any other party, or its or their products or services; in conjunction with obscene or pornographic material; in a manner that suggests bias based on race, national origin, gender, sexual orientation, or religion; or in any manner that would be illegal under applicable law.

§You may not imply any SAP sponsorship, affiliation or endorsement.

§You may not use the SAP Material for a purpose competitive with SAP or its products unless otherwise clearly permitted by applicable law.

§You may not use the SAP corporate logo.

§No use of other SAP trademarks is granted under this section. For information regarding use of SAP trademarks, see <http://www.sap.com/corporate/en/legal/trademark.html>.

2. You are not permitted to:

§Archive or download the Diagrams, Design Elements, and Icons, or archive or download data to create a derivative database or work, other than as expressly permitted herein; or

§Use the Web Site or any SAP Materials to provide products or services to anyone outside your organization, except as expressly provided herein or with the prior written authorization of SAP.

SAP Product Logos

SAP Ariba 

SAP Ariba 

SAP Business Technology Platform

SAP Concur 

SAP Concur 

SAP® HANA

SAP Fieldglass 

SAP Fieldglass 

SAP HANA Enterprise Cloud

SAP Health 

SAP Health 

SAP® S/4HANA

SAP SuccessFactors 

SAP SuccessFactors 

SAP® S/4HANA Cloud



Evening Horizon

SAP Ariba 

SAP Ariba 

SAP Business Technology Platform

SAP Concur 

SAP Concur 

SAP® HANA

SAP Fieldglass 

SAP Fieldglass 

SAP HANA Enterprise Cloud

SAP Health 

SAP Health 

SAP® S/4HANA

SAP SuccessFactors 

SAP SuccessFactors 

SAP S/4HANA Cloud



Colors

Text



Title

#1A2733



Text

#354A5F



Label

#5B738B

Main colors



L0

#0070F2



L1

#0040B0



L2

#002A86



Fill

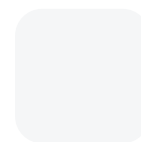
#EBF8FF

Non-SAP



Border

#EBF8FF



Fill

#F5F6F7

Semantic



Positive

#188918



Fill

#F5FAE5



Critical

#C35500



Fill

#FFF8D6



Negative

#D20A0A



Fill

#FFEAF4

Emphasised



1

#07838F



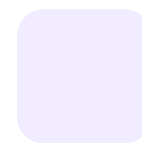
Fill

#DAFDF5



2

#5D36FF



Fill

#F1ECFF



3

#CC00DC



Fill

#FFF0FA

Colors

Text



Title

#D7DADF



Text

#B3BDC6



Label

#778EA6

Main colors



L0

#42ACFF



L1

#7DD3FF



L2

#ABE2FF



Fill

#0F2A75

Non-SAP



Border

#99A8B6



Fill

#253240

Semantic



Positive

#5ABC21



Fill

#0F381C



Critical

#E19701



Fill

#393004



Negative

#FF7D93



Fill

#6A0000

Emphasised



1

#0ABB97



Fill

#053736



2

#B793FF



Fill

#3A187E



3

#F870F4



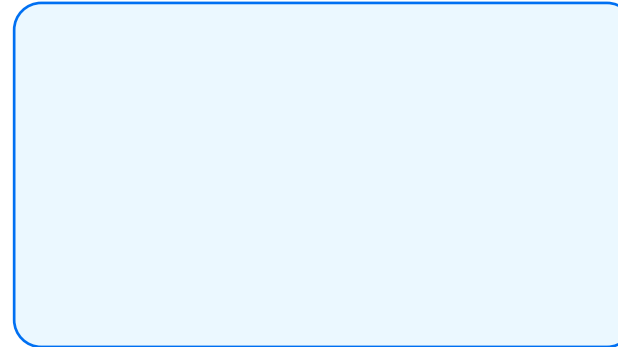
Fill

#480B7A

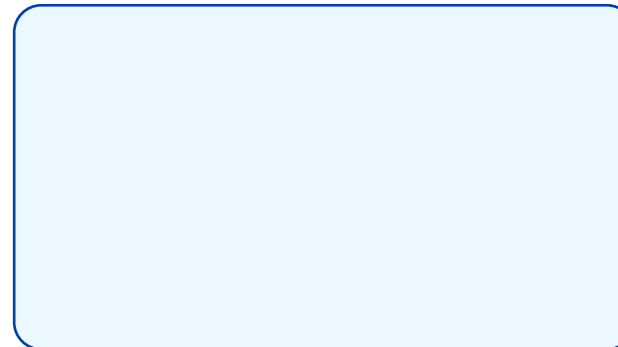
Areas

- The coloured areas can have a light fill colour as well to help with distinguishing different areas of the solution diagram
- The contrast between the fill color and the line color meets accessibility requirements starting with Blue 7 for the outline and always using Blue 1 (#EBF8FF) for the fill
- The outline colors are:
 - L0: Blue 7 (#0070F2)
 - L1: Blue 9 (#0040B0)
 - L2: Blue 10 (#002A86)

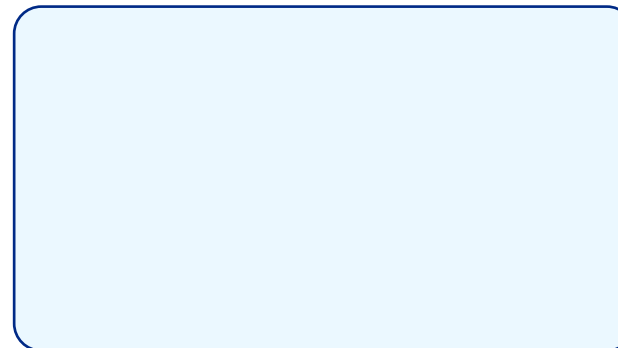
L0



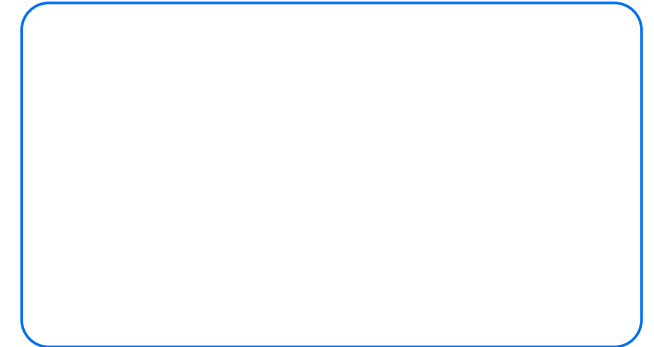
L1



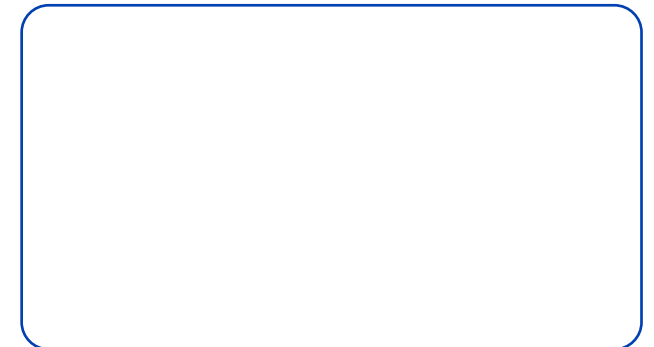
L2



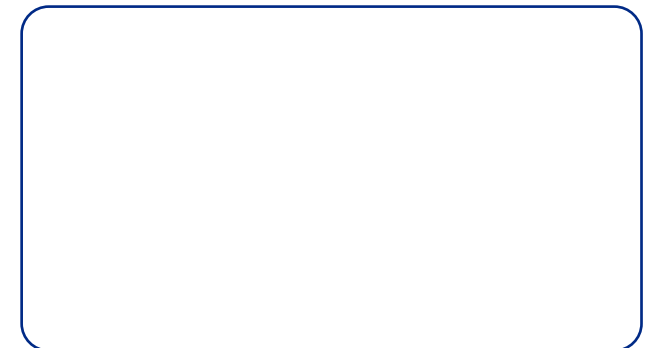
L0



L1

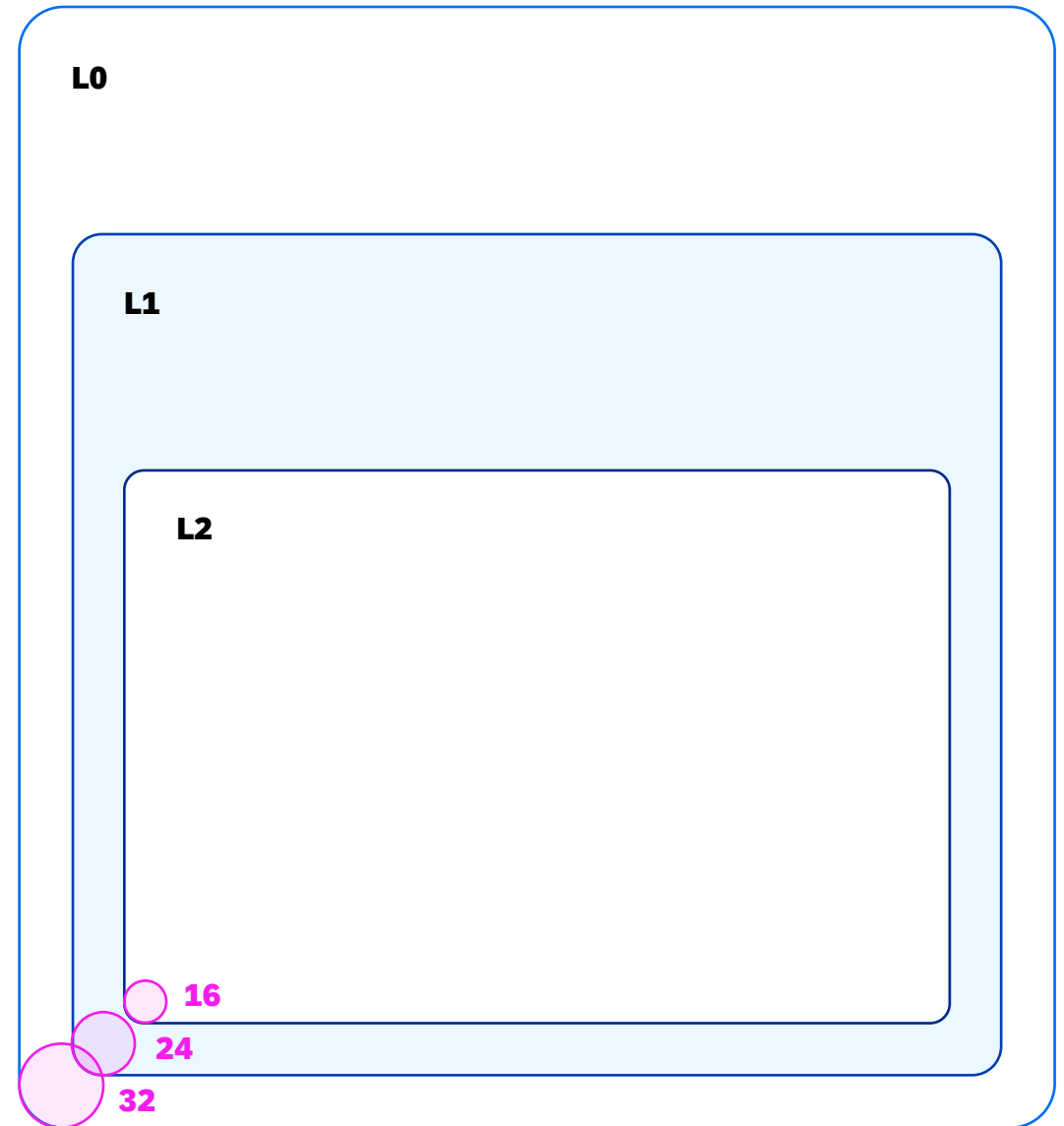


L2



Nesting

- When nesting different areas inside each other alternate between using a fill and not using a fill to provide sufficient contrast between the areas
- The innermost area should have no fill as usually this part contains the most icons and text (see examples later)
- The corner radius of the areas should be continually decreasing when nested inside of each other to achieve a harmonious appearance
- The corner radii of these areas are:
 - L0: 32 px
 - L1: 24 px
 - L2: 16px



Evening Horizon

L0



L0



L1



L1



L2



L2



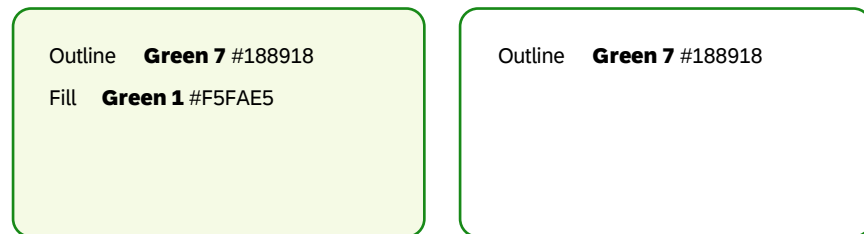
L0

L1

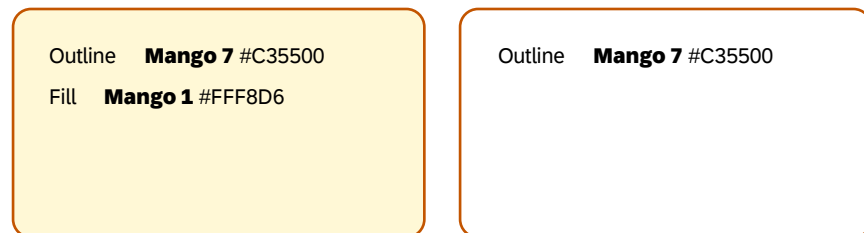
L2

Additional colors

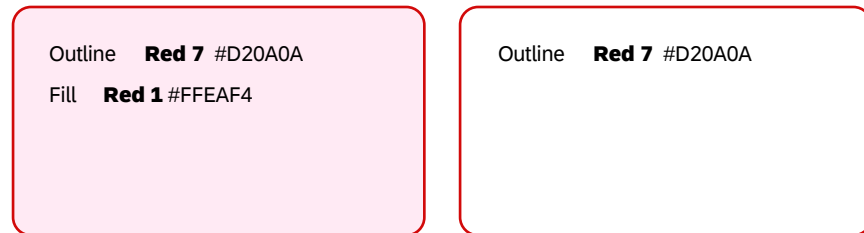
Positive



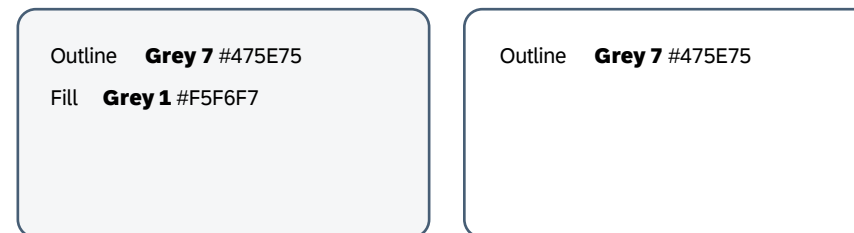
Critical



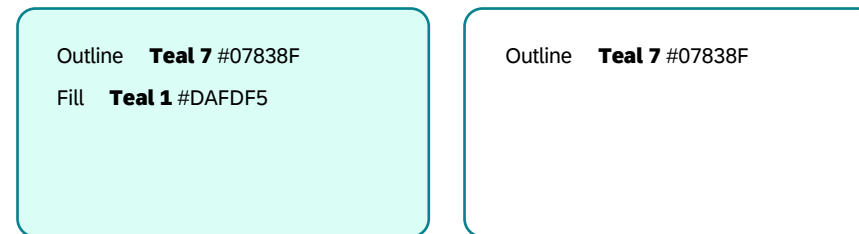
Negative



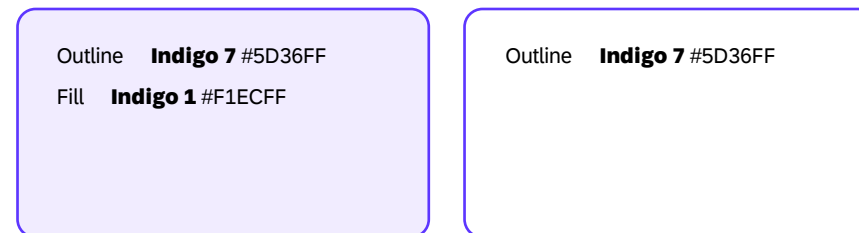
Non-SAP



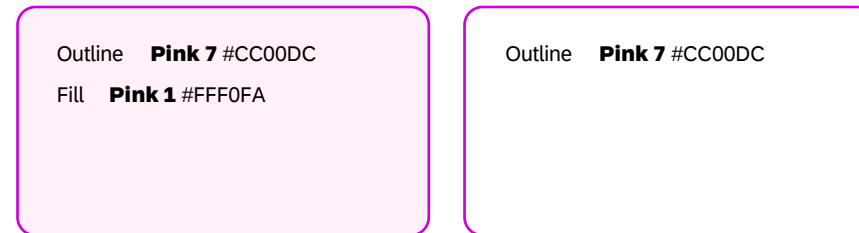
Emphasised 1



Emphasised 2

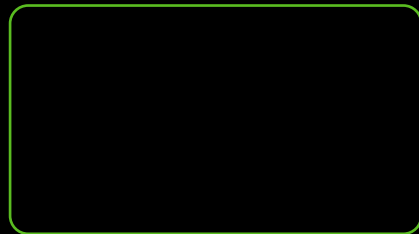
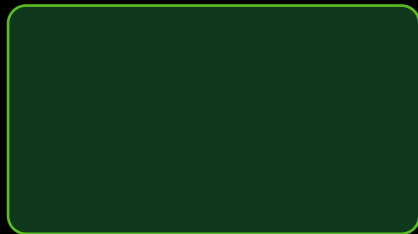


Emphasised 3

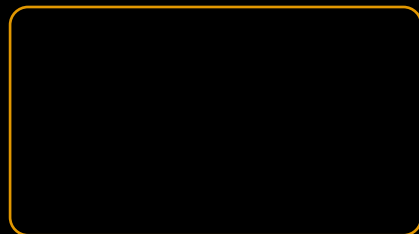
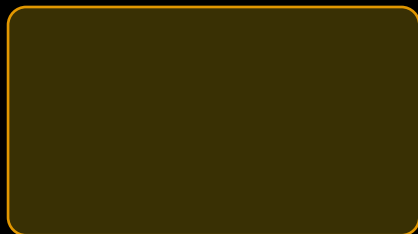


Evening Horizon

Positive



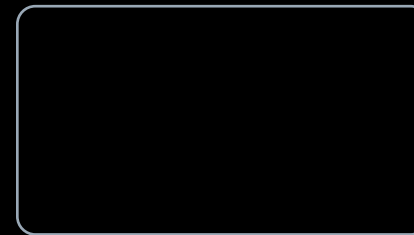
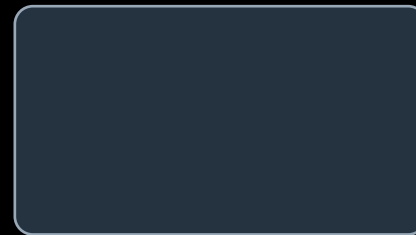
Critical



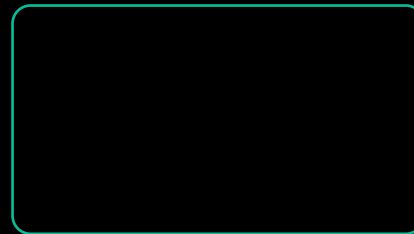
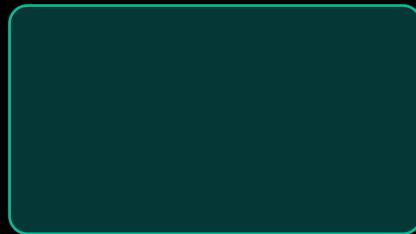
Negative



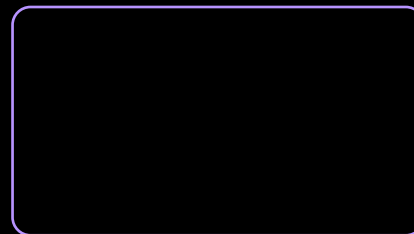
Non-SAP



Emphasised 1



Emphasised 2



Emphasised 3



Dashed line

L0



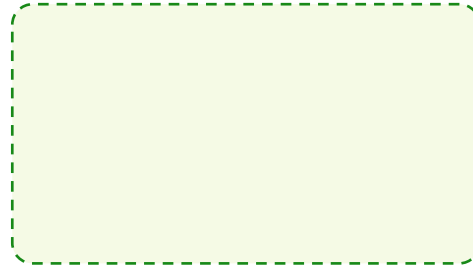
L1



L2



Positive



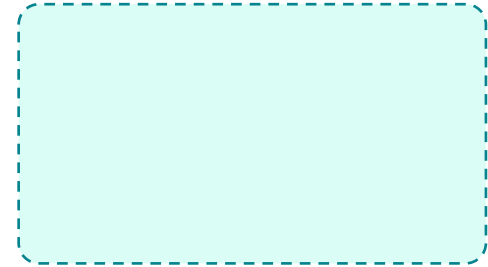
Critical



Negative



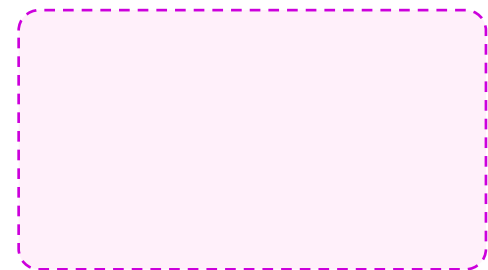
Emphasised 1



Emphasised 2



Emphasised 3



Cardinality

Cardinality L0

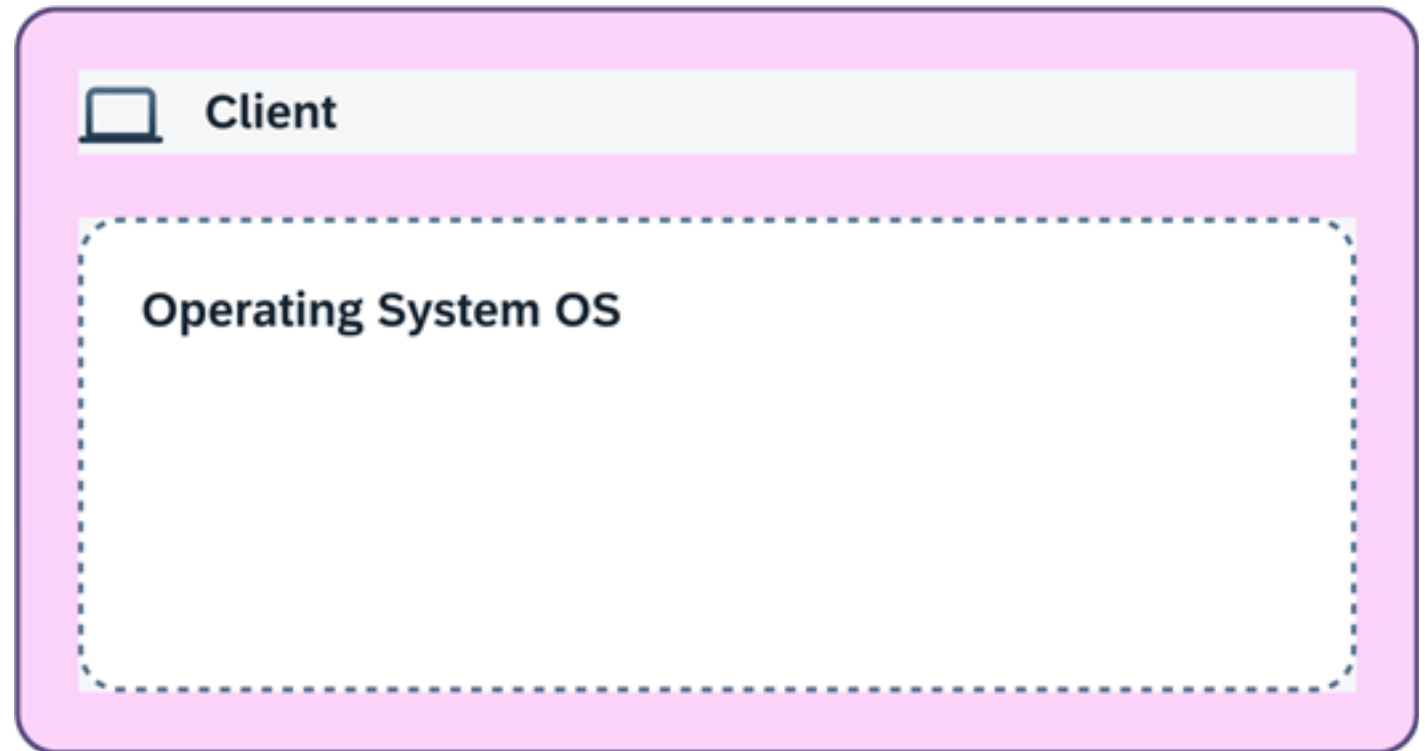
Cardinality L1

Cardinality L2

Spacing

- Make sure the area has an even spacing of 24px on all sides
- If the area has a nested area within it, this also has a 24px distance from the title of the outer area

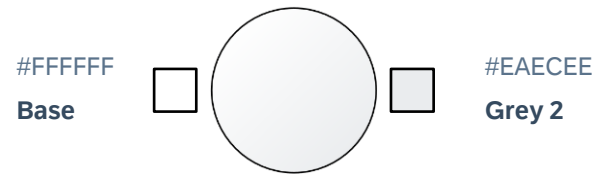
24px



Service Icons

- Service icons are always shown with a light grey gradient background
- The colours are chosen to ensure visibility on all potential area background colors

Background gradient



Background outline

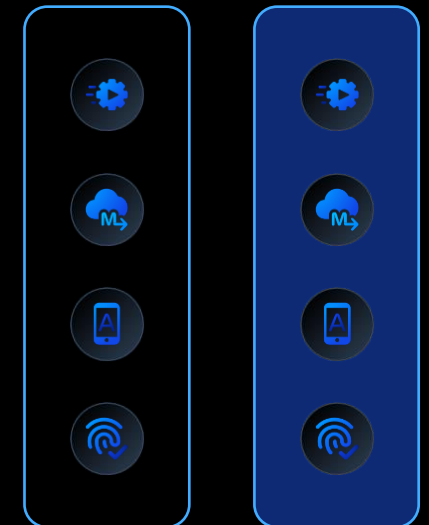


Evening Horizon

Background gradient



Background outline



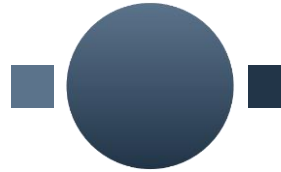
Resource icons



Grey

#5B738B

Grey 6



#223548

Grey 9

Blue

#2395FF

Blue 6



#0057D2

Blue 8

Positive

#5DC122

Green 5



#256F3A

Green 8

Critical

#FFB300

Mango 5



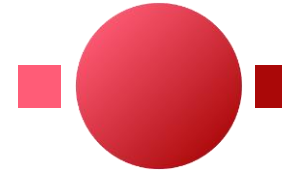
#C35500

Mango 7

Negative

#FF5C77

Red 5



#AA0808

Red 8

Emphasised 1

#00CEAC

Teal 5



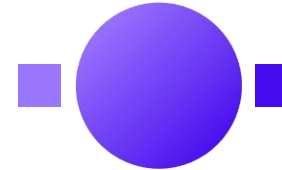
#07838F

Teal 7

Emphasised 2

#9B76FF

Indigo 5



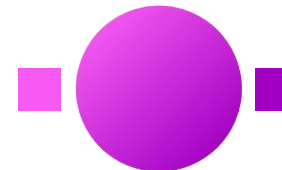
#470CED

Indigo 8

Emphasised 3

#F65AF2

Pink 5



#A100C2

Pink 8

Evening Horizon



Grey

#778EA6 Grey 6 #C3C9CF Grey 9

Blue

#118CFF Blue 6 #5CC0FF Blue 8

Positive

#188818 Green 5 #81CB24 Green 8

Critical

#A36A01 Mango 5 #E19701 Mango 7

Negative

#EC0707 Red 5 #FFA0BF Red 8

Emphasised 1

#048570 Teal 5 #0ABB97 Teal 7

Emphasised 2

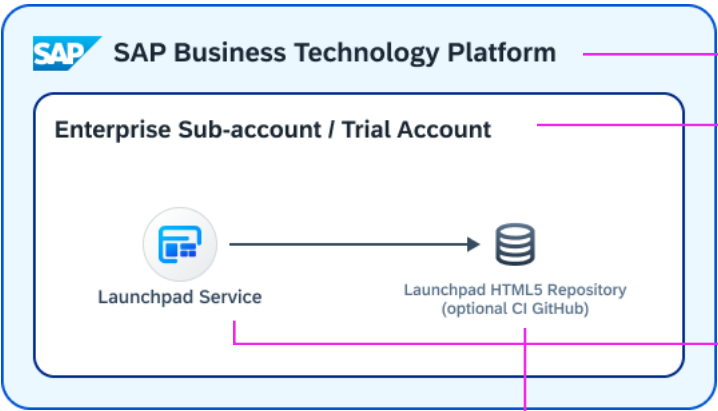
#894EFF Indigo 5 #C9AEFF Indigo 8

Emphasised 3

#CC00DD Pink 5 #FF8FF1 Pink 8

Text

Solution diagrams can be created with the sizes for text and other elements defined in this document and then scaled up or exported as an image and scaled up to fit the size specifications of the target medium.



Titles

The heading of an area, the L0 or outermost heading has a bigger title size than others.

Text

The name of a service or resource.

Label

The least important elements.



Titles

Grey 10
#1A2733



Text

Grey 8
#354A5F



Label

Grey 6
#5B738B

Title (L0)

Title (L1 and below)

Text

Label

Evening Horizon



Title

Grey 10

#D7DADF



Text

Grey 8

#B3BDC6



Label

Grey 6

#778EA6

Title (L0)

Title (L1 and below)

Text

Label

Connectors

- Arrows with elbows should have a corner radius of 6 px
- It is possible to use different coloured arrows depending on the semantic meaning
- Default arrow colour: Text (Grey 8)
- Firewall colour: Label (Grey 6)
- Standard: Request-response from client to server (solid line)
- Information-flow from data source to target (dashed line)
- Bidirectional arrow, for example, a mutual trust relation (solid line)

Arrows

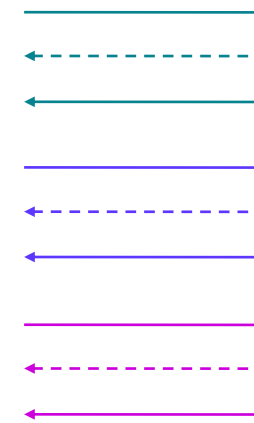
Straight



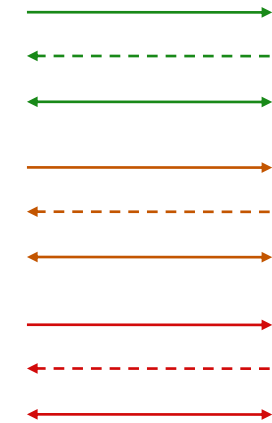
Elbow



Emphasised



Semantic



Lines

Firewall



Evening Horizon

Arrows

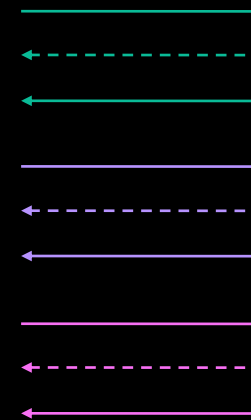
Straight



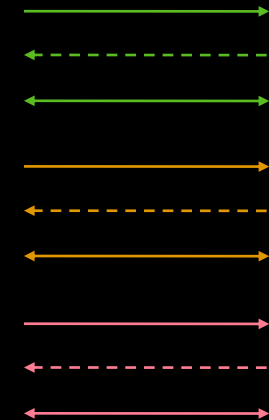
Elbow



Emphasised



Semantic



Lines

Firewall



Arrow

#B3BDC6



Firewall

#778EA6



Positive

#5ABC21



Critical

#E19701



Negative

#FF7D93



1

#0ABB97



2

#B793FF



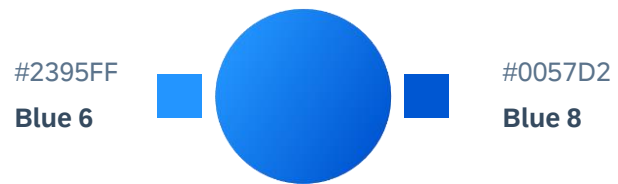
3

#F870F4

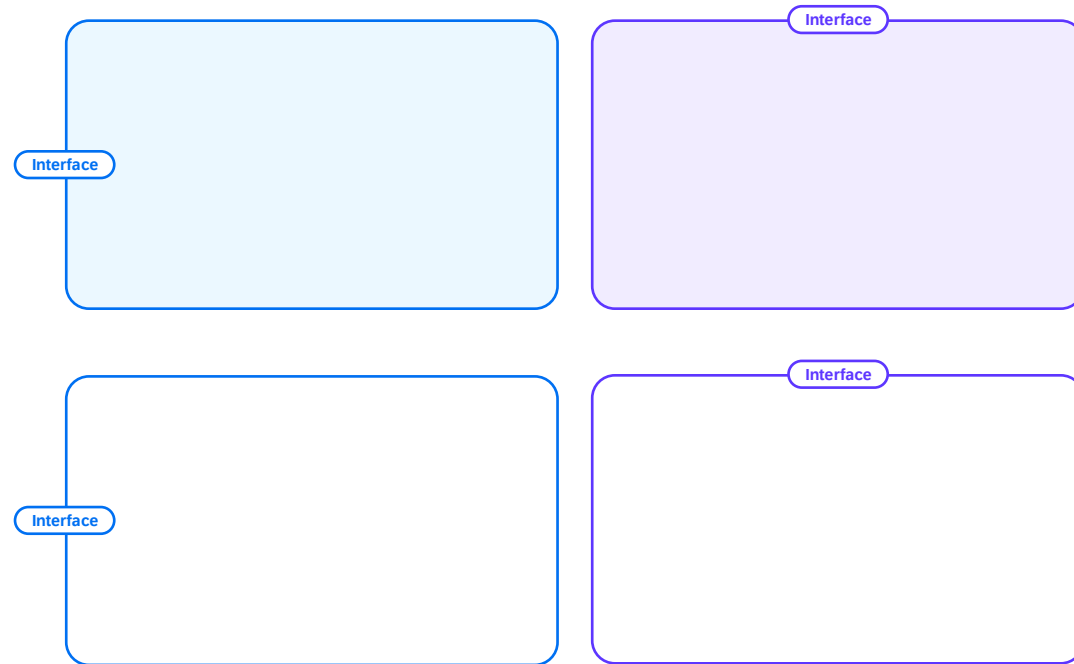
Annotations

Numbers

1 2 3 4 5 6 7 8 9 10 11 44 99



Annotations



Evening Horizon

Numbers

1 2 3 4 5 6 7 8 9 10 11 44 99

#118CFF

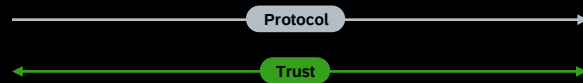
Blue 6



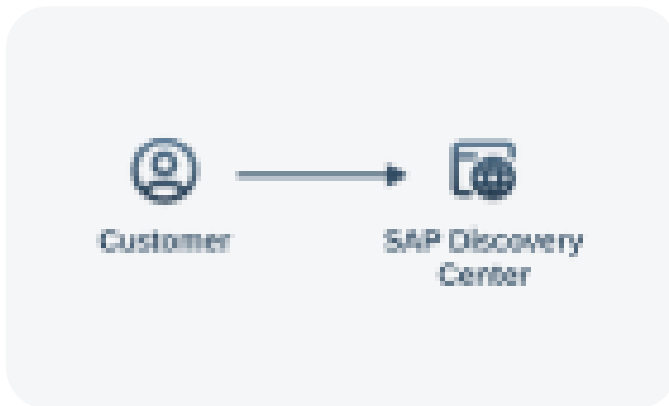
#5CC0FF

Blue 8

Annotations



Arrow Directions



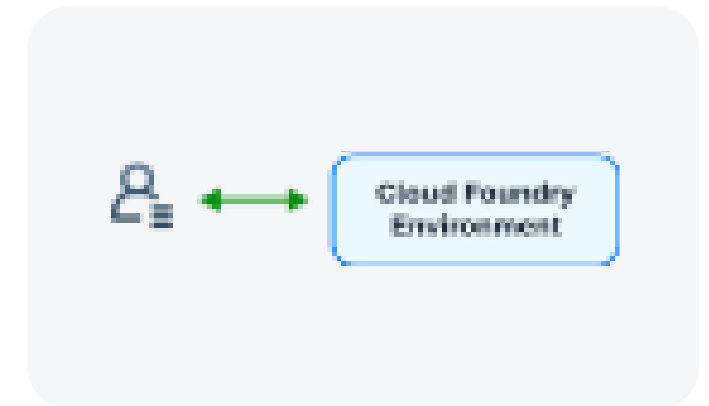
Request-Response Channel

Solid arrow from client (triggering agent) to server (point-to-point connectivity scenario, simplified)



Data Flow Channel

Dashed arrow from source (triggering agent) to target database (data replication scenario, simplified)

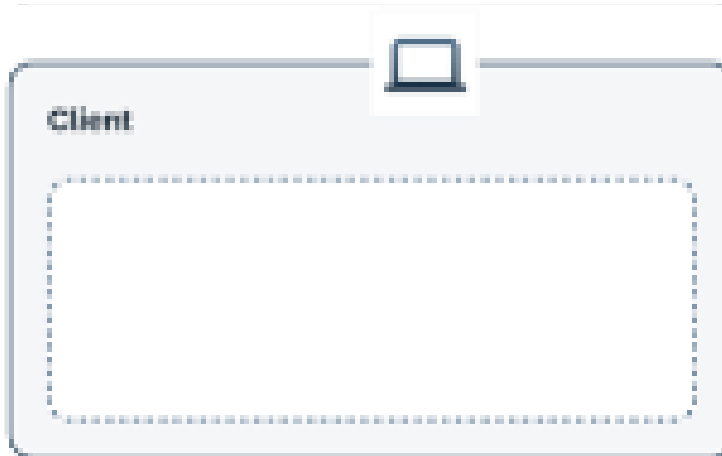


Mutual Trust Relation

Solid arrow in both directions

How to Show the Inner Part of an Application or Service

Don't place the service icon or resource icon on the edge of the outline. Instead add it in front of the name in the title of the area.



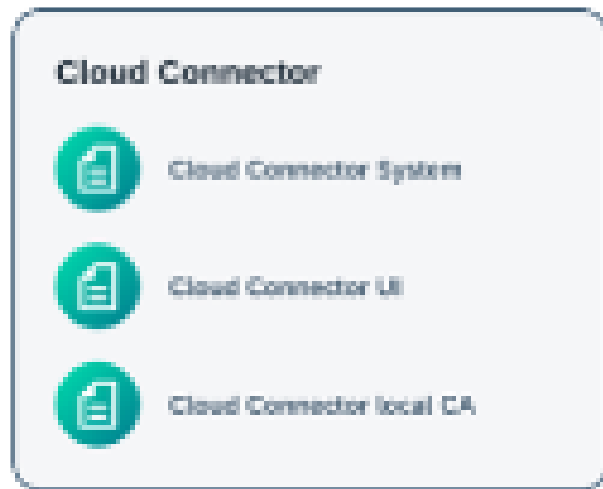
Don't



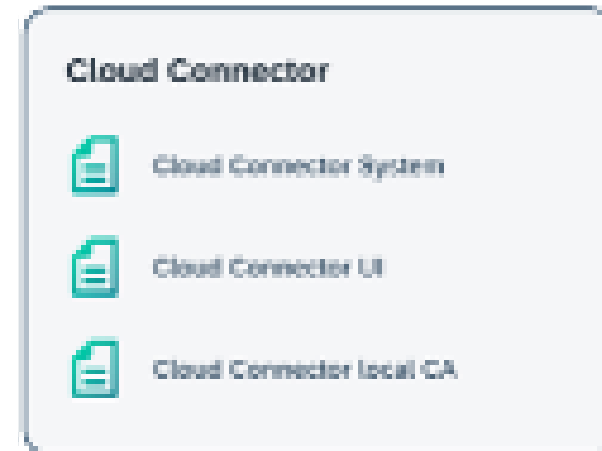
Do

How to Use Resource Icons

Don't use resource icons on top of a filled circle. For a cleaner look, always display the icons without a shape in the background.



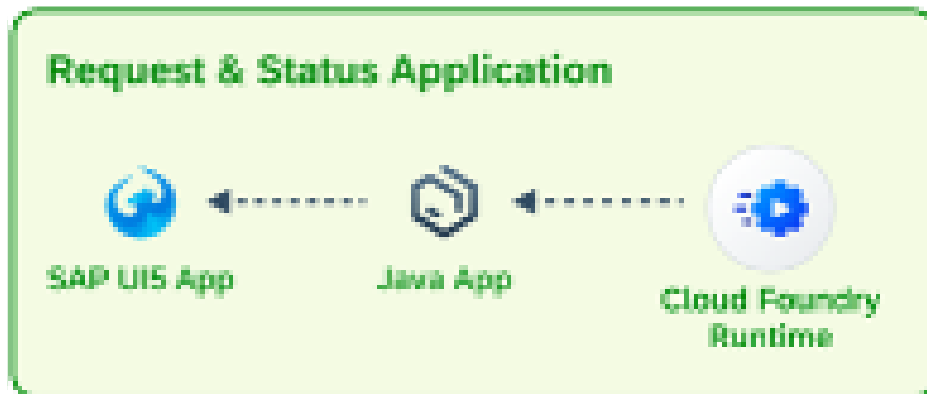
Don't



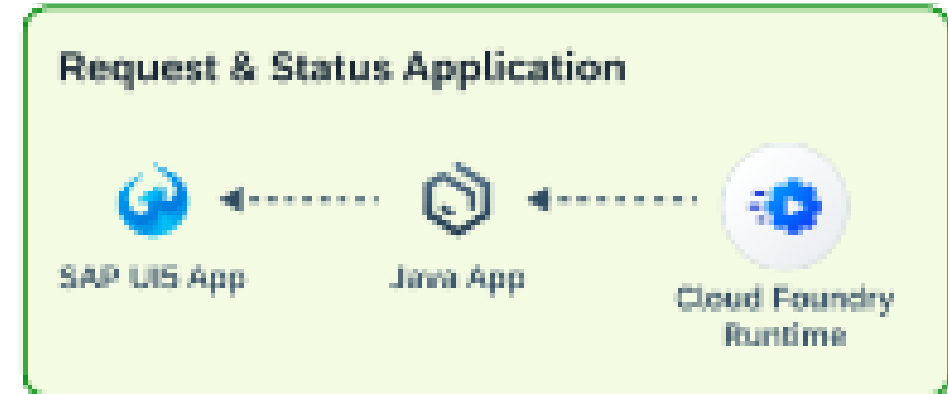
Do

How to Use Text Colors

Use colored text sparingly, try to stick to the title, text and label colors even if the text is in a colored area.



Don't



Do

How to Add Icons on a Line

Place icons in the middle of lines, allow for some white space around the icon.



Don't



Do