

Microsoft Adaptive Cards

Through the Fiori 3 Look and Feel

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UI5con^{ON AIR}



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Agenda

Adaptive Cards Overview

- What, Why, and How

Features

- Loading
- Data Handling
- Markdown
- Templating
- Actions

End-to-End Integration Demo

Adaptive Cards Overview

What?

- Open format for exchanging cards, defined by Microsoft
- Adapts according to the environment
- Variety of controls – inputs, rich text, containers, media, and images
- Variety of features

Why?

- Enable reuse of Adaptive Cards in UI5 Integration Cards
- Low-code development approach
- Achieve SAP Fiori look & feel



Donna Moore
Sales Executive

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua.

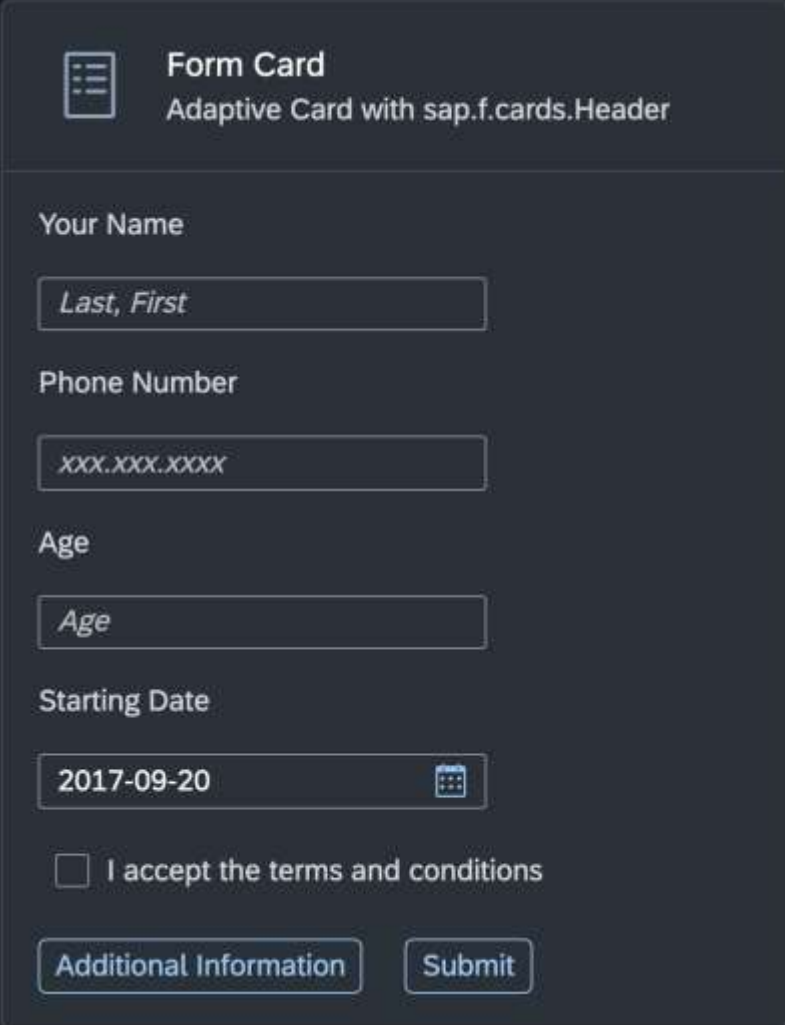
First Name:	Donna
Last Name:	Moore
Company:	Robert Brown Entertainment
Address:	481 West Street, Anytown OH 45066, USA

[Schedule a meeting](#)[Comment](#)

Adaptive Cards Overview

How?

- Introduced as a new type of Integration Card
- In order to adapt to the SAP Fiori host environment, UI5 Web Components are used internally for the input elements
- For other card elements, the Host Config of the Microsoft Adaptive Card is used to adapt the styling to fit the SAP Quartz themes



Form Card
Adaptive Card with sap.f.cards.Header

Your Name
Last, First

Phone Number
XXX.XXX.XXXX

Age
Age

Starting Date
2017-09-20

☐ I accept the terms and conditions

Additional Information Submit



Niya Peeva
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Features

Loading

Inline

- Directly in the Integration Card manifest

```
"content": {
  "$schema": "http://adaptivecards.io/schemas/adaptive-card.json",
  "type": "AdaptiveCard",
  "version": "1.0",
  "body": [
    {
      "type": "TextBlock",
      "text": "Publish Adaptive Card schema",
      "weight": "Bolder",
      "size": "Medium"
    }
  ],
}
```

Dynamic

- Requested as a JSON file in the content area of the Integration Card

```
"content": {
  "request": {
    "url": "samples/adaptive/templating-content.json"
  }
}
```

Features

Data Handling and Templating

Data

- Feature of the Integration Card available on both card and content level

\$data

- Feature of Microsoft Adaptive card available in the JSON object inside the card content

Templating

- Enables the separation of data from the layout in an MS Adaptive Card

```
{
  "$data": {
    "employee": {
      "name": "Matt",
      "peers": [
        {
          "name": "Andrew"
        }
      ]
    }
  },
  "body": [
    {
      "type": "TextBlock",
      "text": "Hi {employee.name}! Here's a bit about your org..."
    },
    {
      "type": "TextBlock",
      "text": "One of your peers is: {employee.peers[0].name}"
    }
  ]
}
```

Inline Templating

This is a sample of the inline templating feature of MS Adaptive Cards.

Hi Matt! Here's a bit about your org...

One of your peers is: Andrew

Features

Markdown and Actions

Markdown

- Microsoft Adaptive Card supports a subset of Markdown syntax

Actions

- Submit
 - Developers can configure where the data from the card will be sent
- OpenUrl
 - Developers can add button with an URL link to navigate to
- ShowCard
 - Developers can render a sub-card

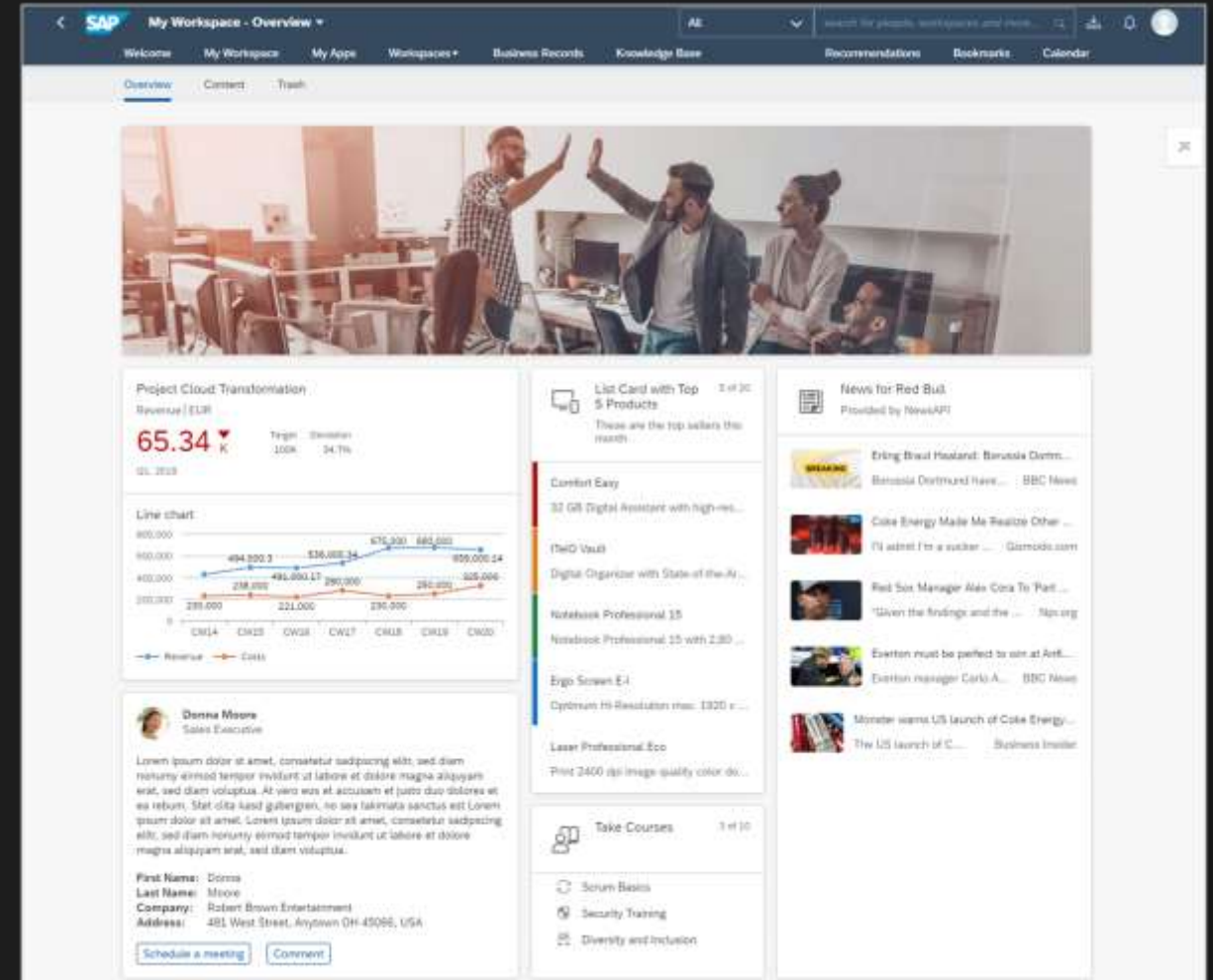


The image shows a sample of an Adaptive Card. At the top, there is a header section with the Adaptive Card (AA) logo and the text "Markdown support" followed by "This is a sample of the markdown feature of MS Adaptive Cards." Below this, the main content area contains several examples of Markdown: "This is some **bold** text", "This is some *italic* text", a bulleted list with items "Bullet" and "List", a numbered list with items "1. Numbered" and "2. List", and a link "Check out [Adaptive Cards](#)".

End-to-End Integration Demo

Card integration in SAP Work Zone

Card adoption in a personalized workspace



Thank you!

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