

What's new:
Designing and developing
generative Al experiences
for your extensions



Dynamics 365 Copilot

Dynamics 365 Copilot

In Business Central: Marketing text suggestions Introducing:
Developer tools for
Copilot in Business Central



Agenda

- Example use case
- User experience
- Al Module
- Tips and tricks
- Engineering for safety

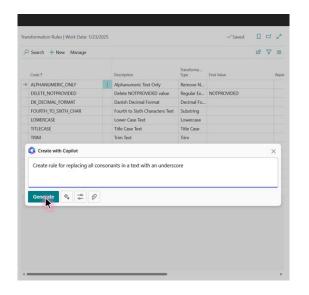
Why

- Prototype with less code
- Consistency of experience
- Common guard rails
- Quicker to market

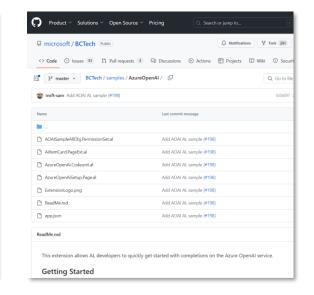
Intended for

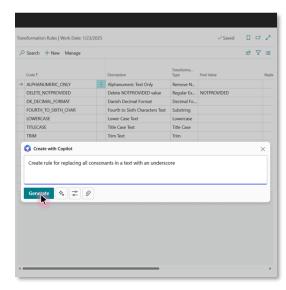
Deployment types	Business Central online
Al	Generative Al assists humans with complex cognitive tasks
Interaction mode	Non-conversational Integrated into business functionality with concrete input and output Human review

What's in the box









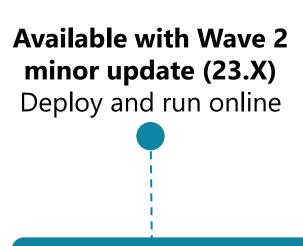
Signature Copilot UI

Al module

Guides and samples

Common functions

Timeline



Business Central online

Insider Builds

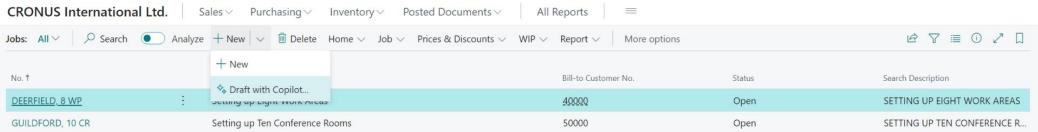
Available to insiders today

Compile, run, test offline

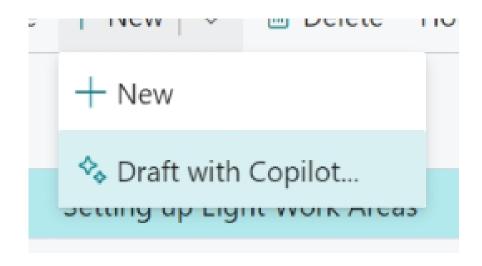
Example use case

PromptDialog page type





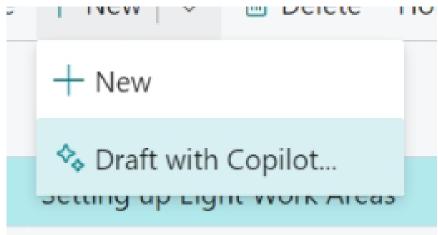
Launch your experience



Launch your experience

```
action(GenerateCopilot)
{
    Caption = 'Describe To Copilot';
    Image = Sparkle;

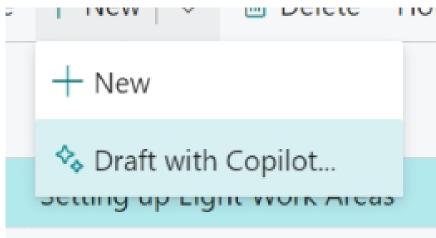
    trigger OnAction()
    begin
        Page.RunModal(Page::"Copilot Job Proposal");
    end;
}
```



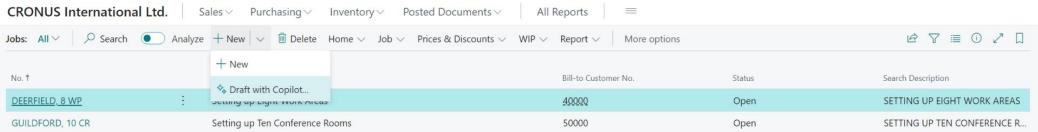
Launch your experience

```
action(GenerateCopilot)
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    Caption = 'Describe To Copilot';
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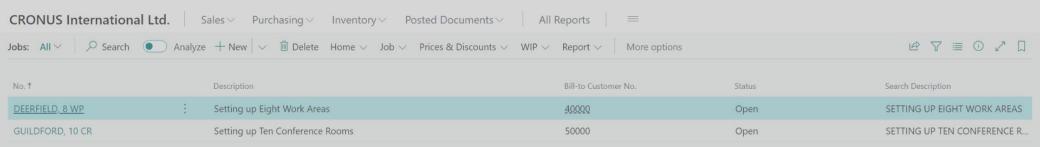
    trigger OnAction()
    begin
        Page.RunModal(Page::"Copilot Job Proposal");
    end;
}
```

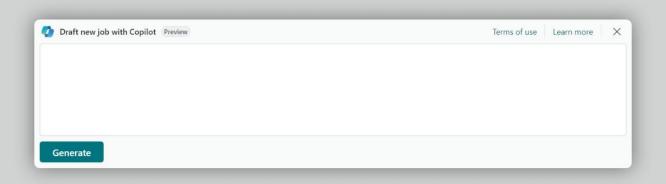




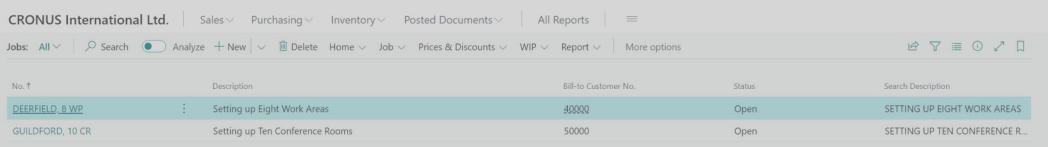


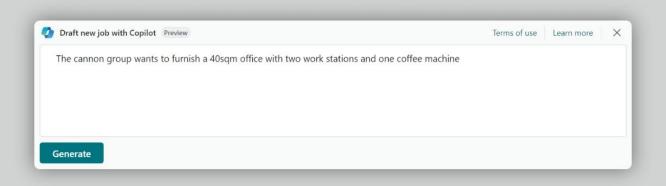












Build your experience



Build your experience: PromptDialog PageType

```
Draft new job with Copilot Preview

Terms of use Learn more X

The cannon group wants to furnish a 40sqm office with two work stations and one coffee machine

Generate
```

```
page 54320 "Copilot Job Proposal"
{
    Caption = 'Draft new job with Copilot';
    PageType = PromptDialog;
    Extensible = false;
    IsPreview = true;
    ...
```

Build your experience: PromptDialog PageType

```
Draft new job with Copilot Preview

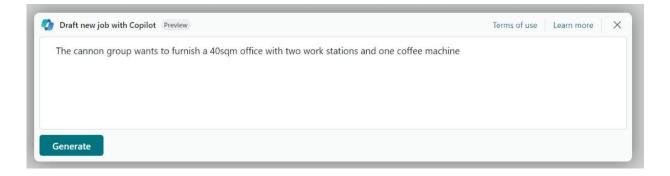
Terms of use Learn more X

The cannon group wants to furnish a 40sqm office with two work stations and one coffee machine

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```
page 54320 "Copilot Job Proposal"
{
    Caption = 'Draft new job with Copilot';
    PageType = PromptDialog;
    Extensible = false;
    IsPreview = true;
```

Build your experience: Prompt Area

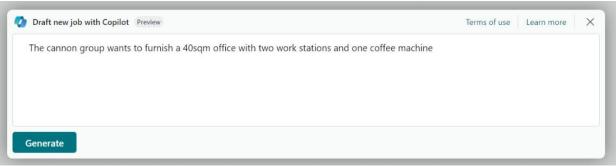


Build your experience: Prompt Area



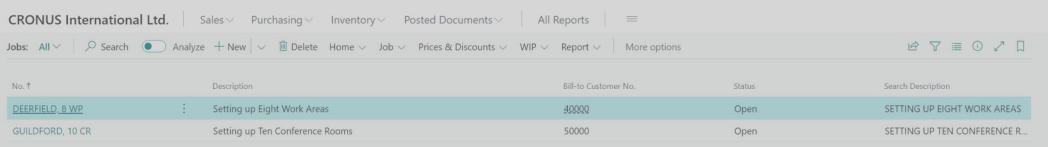
```
layout
{
    area(Prompt)
    {
        field(ProjectDescription; UserInput)
        {
            ShowCaption = false;
            MultiLine = true;
        }
     }
     area(Content) {...}
}
```

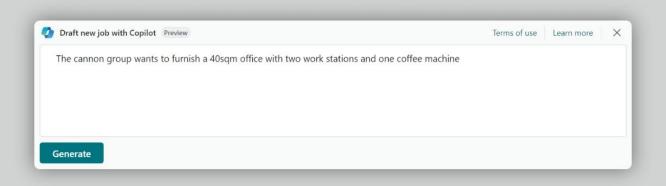
Build your experience: Prompt Area



```
layout
{
    area(Prompt)
    {
        field(ProjectDescription; UserInput)
        {
            ShowCaption = false;
            MultiLine = true;
        }
     }
     area(Content) {...}
}
```







Build your experience: Generate SystemAction

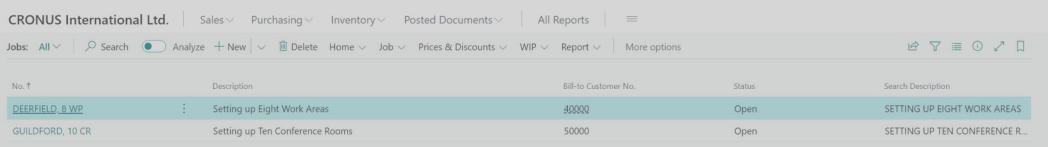


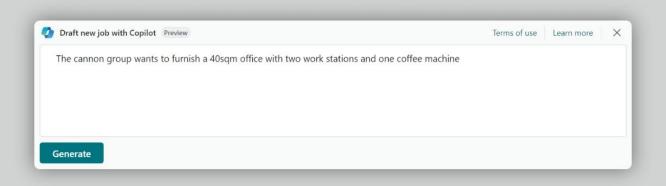
Build your experience: Generate SystemAction

```
actions
    area(SystemActions)
        systemaction(Generate)
            Caption = 'Generate';
            trigger OnAction()
            begin
                RunGeneration();
            end;
```

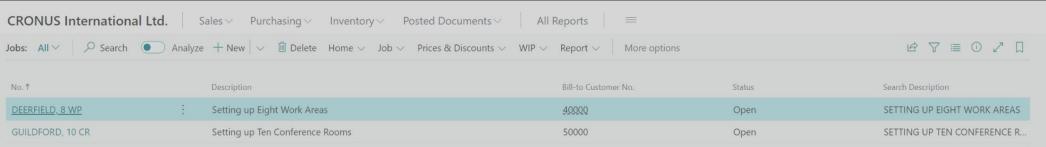


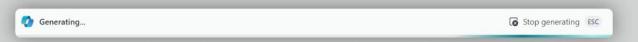


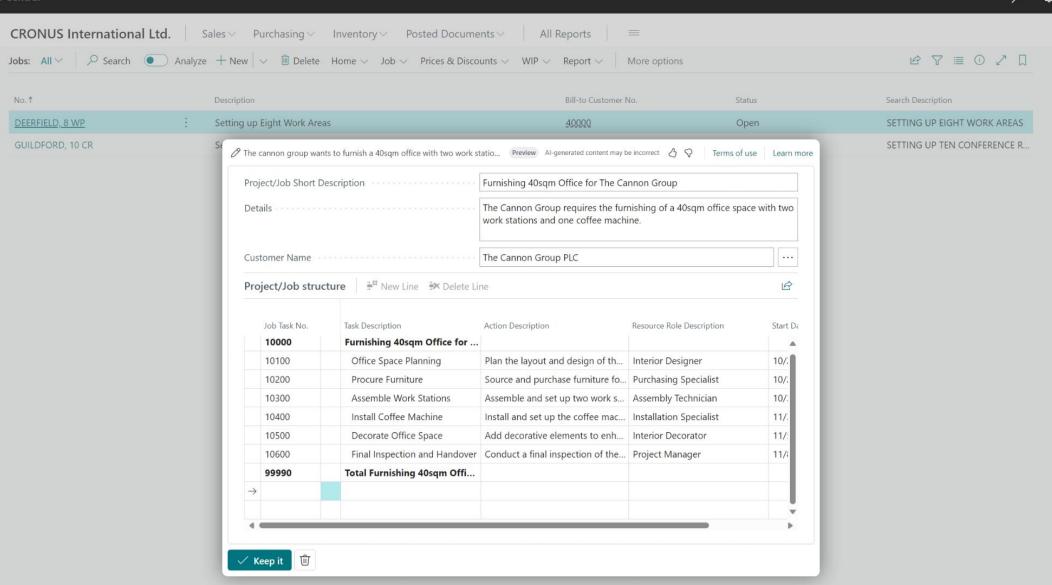




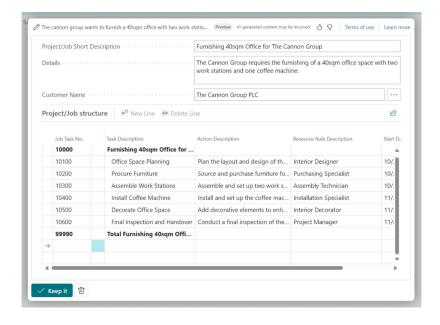








Design your experience: Content Area



Design your experience: Content Area

```
Furnishing 40sqm Office for ...
                                                                                                                             Office Space Planning
                                                                                                                                            Plan the layout and design of th... Interior Designer
                                                                                                                              Procure Furniture
                                                                                                                                            Source and purchase furniture fo... Purchasing Specialist
                                                                                                                              Assemble Work Stations
                                                                                                                                            Assemble and set up two work s... Assembly Technician
layout
                                                                                                                              Install Coffee Machine
                                                                                                                                            Install and set up the coffee mac... Installation Specialist
                                                                                                                             Decorate Office Space
                                                                                                                                            Add decorative elements to enh... Interior Decorator
                                                                                                                             Final Inspection and Handover | Conduct a final inspection of the... | Project Manager
                                                                                                                             Total Furnishing 40sqm Offi.
        area(Prompt) {...}
        area(Content)
                 field("Job Short Description"; JobDescription) {...}
                 field("Job Full Details"; JobFullDescription) {...}
                 field(CustomerNameField; CustomerName) {...}
                 part(ProposalDetails; "Copilot Job Proposal Subpart") {...}
```

Furnishing 40sqm Office for The Cannon Group

work stations and one coffee machine.

Action Description

The Cannon Group requires the furnishing of a 40sqm office space with two

Resource Role Description

Start Da

Design your experience: Content Area

```
Action Description
                                                                                                                              Furnishing 40sqm Office for ...
                                                                                                                               Office Space Planning
                                                                                                                                              Plan the layout and design of th... Interior Designer
                                                                                                                               Procure Furniture
                                                                                                                                              Source and purchase furniture fo... Purchasing Specialist
                                                                                                                               Assemble Work Stations
                                                                                                                                              Assemble and set up two work s... Assembly Technician
layout
                                                                                                                               Install Coffee Machine
                                                                                                                                              Install and set up the coffee mac... Installation Specialist
                                                                                                                               Decorate Office Space
                                                                                                                                              Add decorative elements to enh... Interior Decorator
                                                                                                                               Final Inspection and Handover | Conduct a final inspection of the... | Project Manager
                                                                                                                               Total Furnishing 40sqm Offi.
        area(Prompt) {...}
        area(Content)
                 field("Job Short Description"; JobDescription) {...}
                 field("Job Full Details"; JobFullDescription) {...}
                 field(CustomerNameField; CustomerName) {...}
                 part(ProposalDetails; "Copilot Job Proposal Subpart") {...}
```

Furnishing 40sqm Office for The Cannon Group

work stations and one coffee machine.

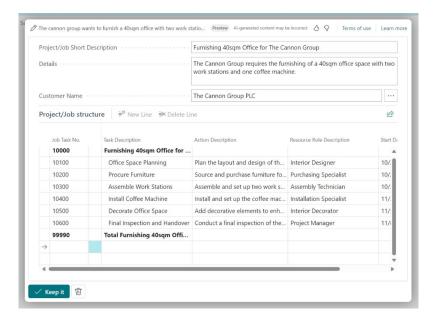
The Cannon Group PLC

The Cannon Group requires the furnishing of a 40sqm office space with two

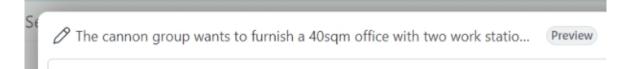
Resource Role Description

Start Da

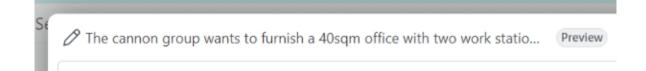
Design your experience: DataCaptionExpression



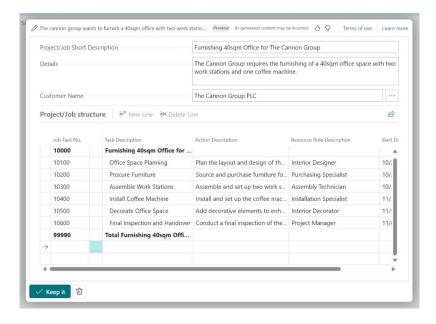
Design your experience: DataCaptionExpression

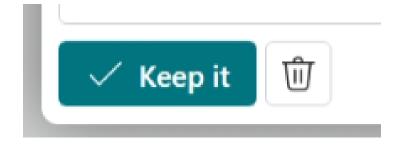


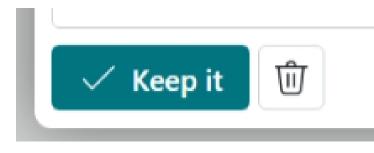
Design your experience: DataCaptionExpression



```
page 54320 "Copilot Job Proposal"
   Caption = 'Draft new job with Copilot';
   DataCaptionExpression = UserInput;
    PageType = PromptDialog;
    Extensible = false;
   layout
        area(Prompt)
            field(ProjectDescription; UserInput) {}
```



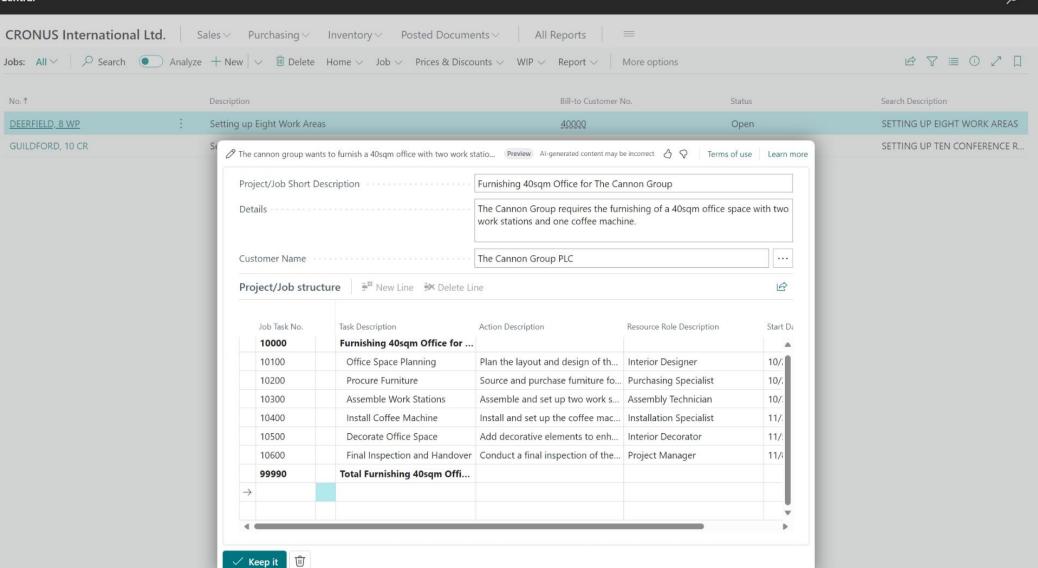


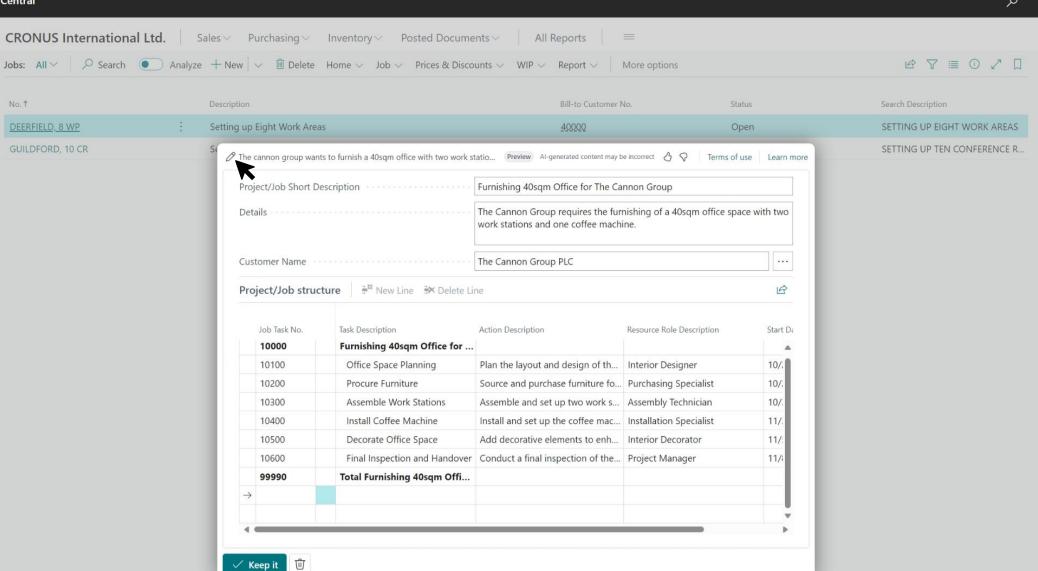


```
trigger OnQueryClosePage(CloseAction: Action): Boolean
var
    SaveCopilotJobProposal: Codeunit "Save Copilot Job Proposal";
begin
    if CloseAction = CloseAction::OK then
        SaveCopilotJobProposal.Save(CustomerNo, CopilotJobProposal);
end;
```

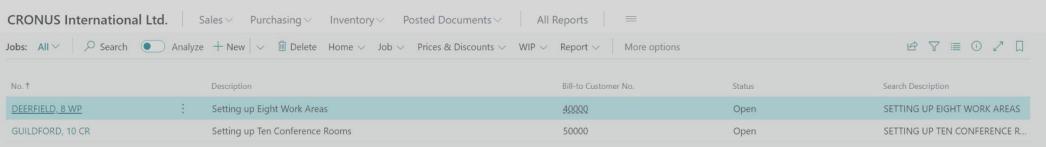
```
✓ Save it
```

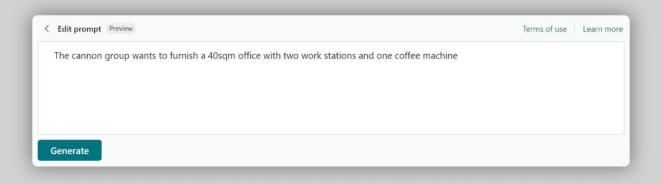
```
systemaction(OK)
{
    Caption = 'Save it';
    ToolTip = 'Save the proposed Job.';
}
systemaction(Cancel)
{
    Caption = 'Throw it away';
    ToolTip = 'Throw away the proposed Job.';
}
```



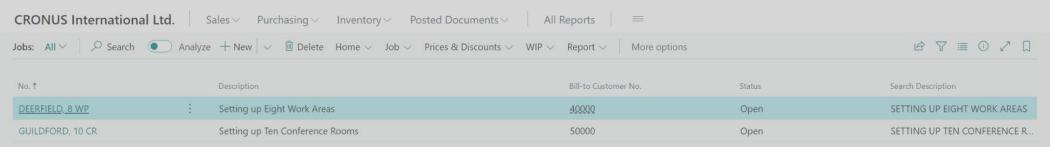














No. †

DEERFIELD, 8 WP

GUILDFORD, 10 CR

Setting up Eight Work Areas

Job Task No.

10000

10100

10200

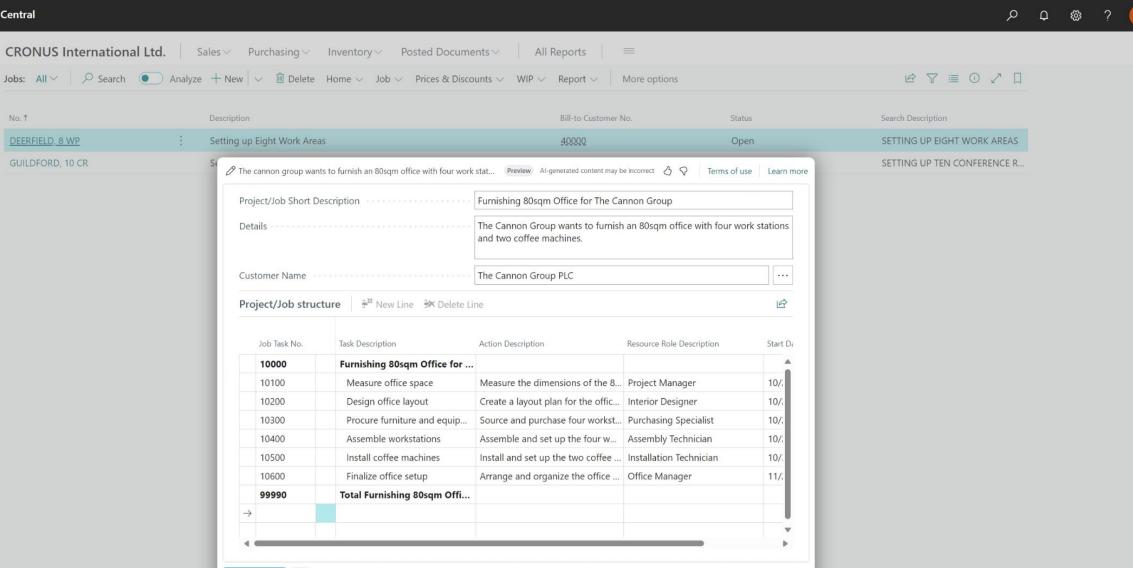
10300 10400

10500

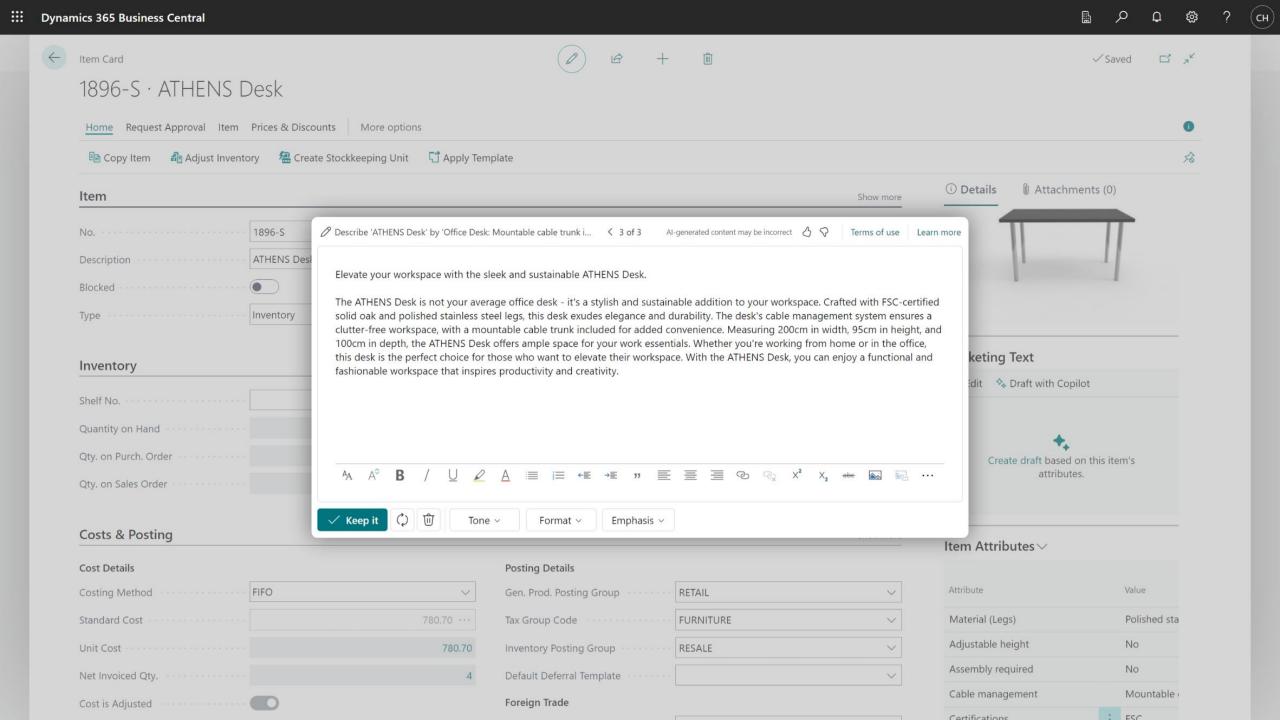
10600

99990

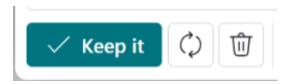
✓ Keep it 🗓



Additional Features



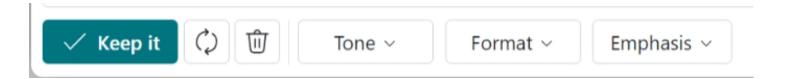
Additional Features: Regenerate



Additional Features: Regenerate

```
systemaction(Regenerate)
{
    Caption = 'Regenerate';
    ToolTip = 'Regenerate the Job proposed by
Dynamics 365 Copilot.';
    trigger OnAction()
    begin
        RunGeneration();
    end;
}
```

Additional Features: PromptOptions Area



Additional Features: PromptOptions Area

```
Ŵ

✓ Keep it

                                                                                 Emphasis ~
                                                          Tone ~
                                                                     Format ~
layout
    area(Prompt) {...}
    area(Content) {...}
    area(PromptOptions)
        field(Tone; Tone) {}
        field(TextFormat; TextFormat) {}
        field(Emphasis; Emphasis){}
```

Additional Features: History

Additional Features: History

```
page 54320 "Marketing Text"
{
    Caption = 'Draft Marketing text';
    PageType = PromptDialog;
    Extensible = false;
    SourceTable = "Marketing Text";
    SourceTableTemporary = true;
```

< 3 of 3

Additional Features: Attach SystemAction



Additional Features: Attach SystemAction

```
systemaction(Attach)
                                                         Generate
   Caption = 'Attach a file';
    ToolTip = 'Attach a file describing the job.';
   trigger OnAction()
   var
        InStr: InStream;
        Filename: Text;
   begin
        UploadIntoStream('Select a file...', '', 'All files (*.*)|*.*', Filename, InStr);
        if not (Filename = '') then begin
        end;
   end;
```

Additional Features: Attach SystemAction

```
systemaction(Attach)
                                                         Generate
   Caption = 'Attach a file';
    ToolTip = 'Attach a file describing the job.';
   trigger OnAction()
   var
        InStr: InStream;
        Filename: Text;
   begin
        UploadIntoStream('Select a file...', '', 'All files (*.*)|*.*', Filename, InStr);
        if not (Filename = '') then begin
        end;
   end;
```

Additional Features: Initial PromptMode



Additional Features: Initial PromptMode

```
trigger OnOpenPage()
begin
    CurrPage.PromptMode = PromptMode::Generate;
end;
```

Al Module

- Overview of the module
 - What it can (not) do
 - Prerequisites
- Building your experience
 - Capability registration
 - Authorization
 - Generation
- Optional parameters

- Supports Azure OpenAl Service
 - · Specifically for LLMs like Text, Chat and Embeddings generations
 - · Not image generation like DALL-E or transcribing speech to text like Whisper
- · Ease of control and viewing the copilot capabilities in the environment
- Telemetry
 - Allows you to track a capability's registration/usages/errors...

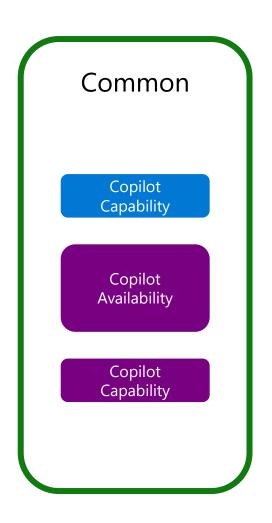
- · The module is in the System Application
- · All objects of the developer toolkit can be found in
 - System.Al namespace

Prerequisites

Prerequisites

- Azure OpenAl Resource URL
 - https://[resourcename].openai.azure.com/
- Deployment Name
 - · MyGPT3.5
- · Azure OpenAl API key

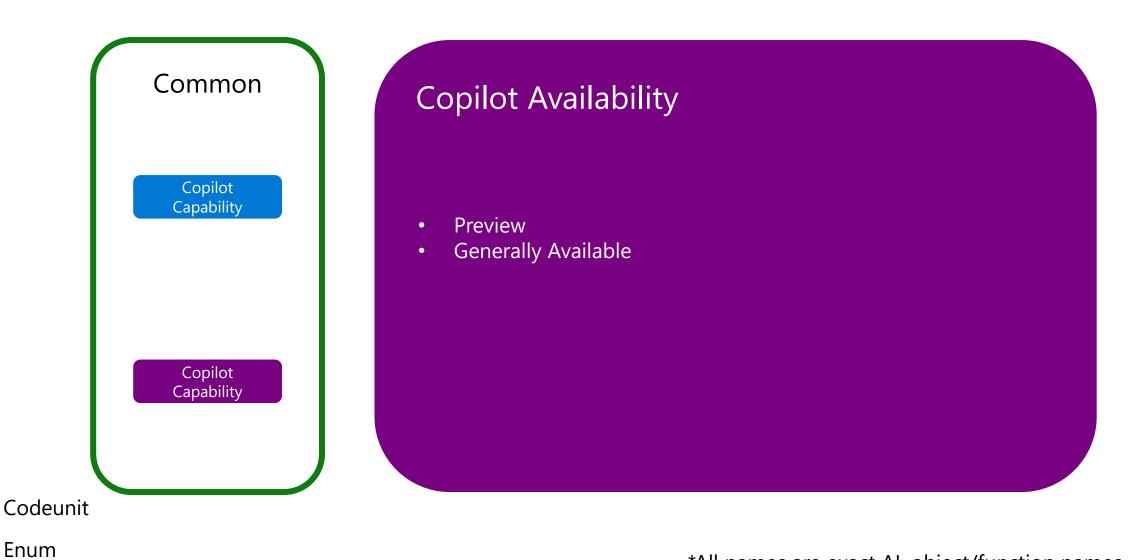
Module objects

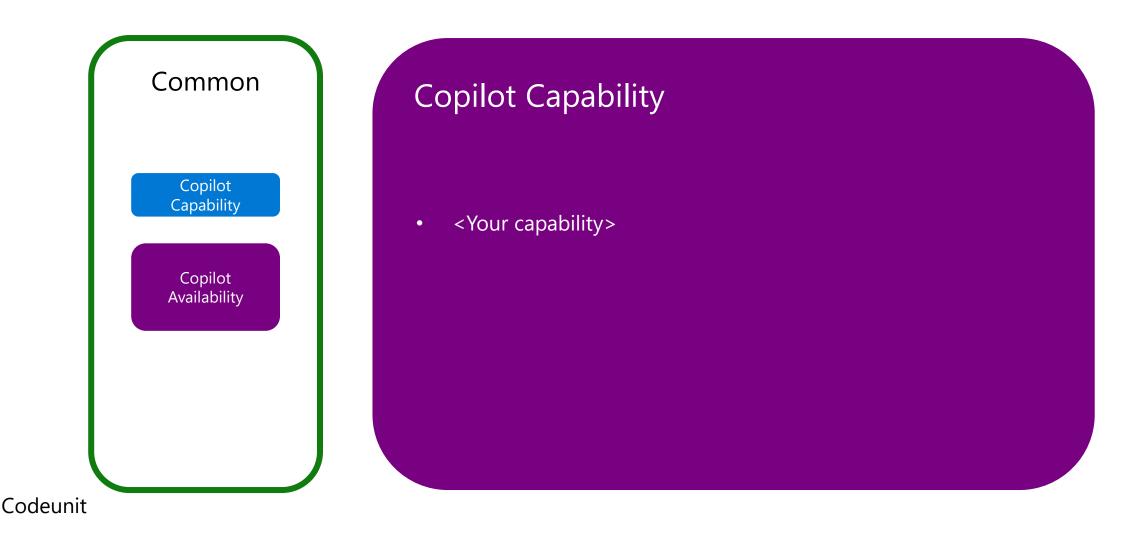


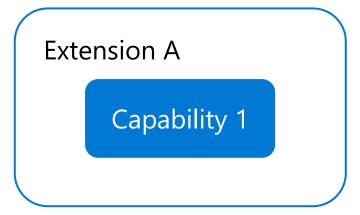


Common **Copilot Capability** RegisterCapability ModifyCapability UnregisterCapability Copilot **IsCapabilityRegistered** Availability **IsCapabilityActive** Copilot Capability Codeunit









Registered Capabilities

Extension A

Capability 1

Registered Capabilities

Ext A - Capability 1



Registered Capabilities

Ext A - Capability 1

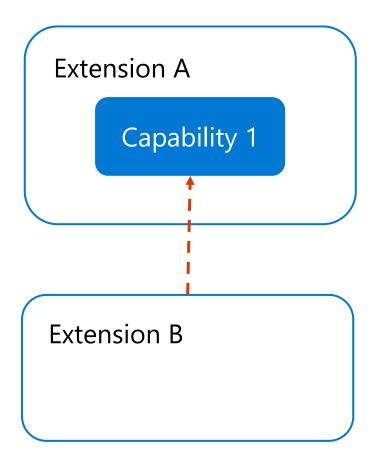
Extension A

Capability 1

Extension B

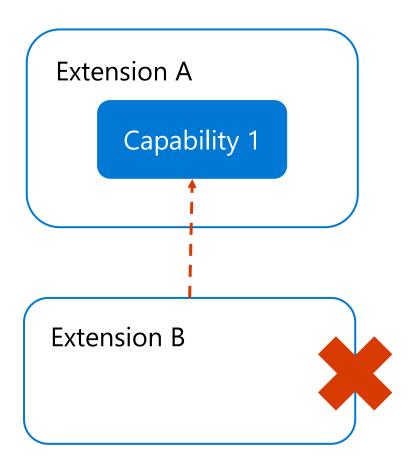
Registered Capabilities

Ext A - Capability 1



Registered Capabilities

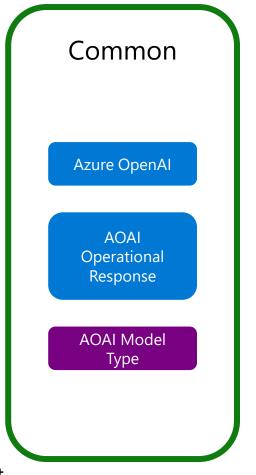
Ext A - Capability 1

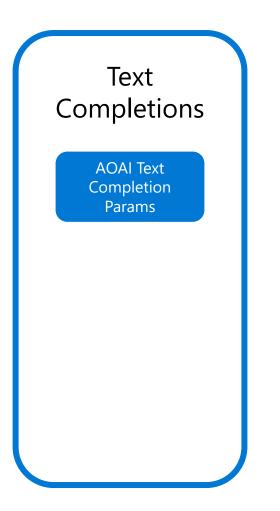


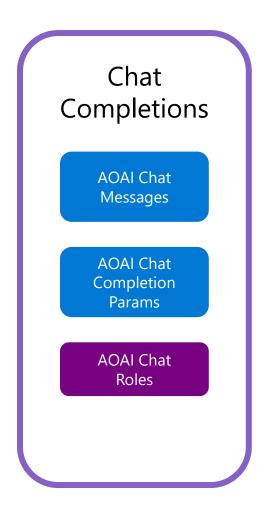
Registered Capabilities

Ext A - Capability 1

- · Each extension must register with the Copilot Capability codeunit
- · An error will be thrown if the capability enum used isn't registered with the extension using it







Codeunit

Enum

Common **AOAI** Operational Response **AOAI Model** Type

Azure OpenAl

- IsEnabled: Boolean
- SetAuthorization
- SetCopilotCapability
- GenerateTextCompletion: Text
- GenerateEmbeddings: List of [Decimal]
- GenerateChatCompletion

Codeunit

Enum

Common Azure OpenAl AOAI Model Type

AOAI Operational Response

• IsSuccess: Boolean

GetStatusCode: Integer

• GetResult: Text

GetError: Text

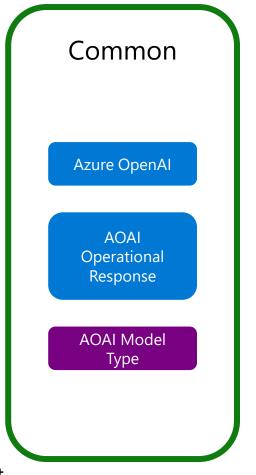
Codeunit

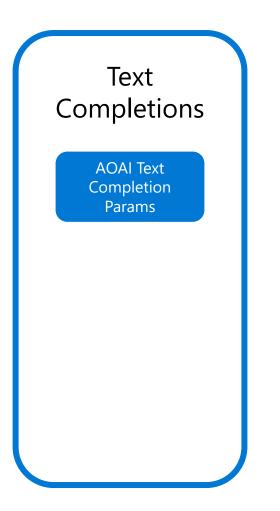
Enum

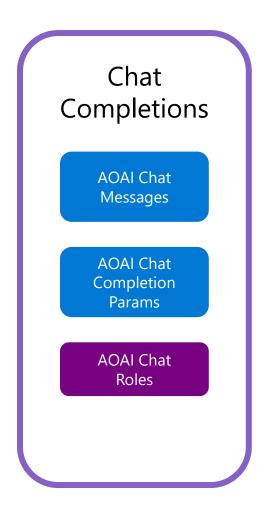
Common **AOAI Model Type** Azure OpenAl Embeddings **Text Completions** AOAI **Chat Completions** Operational Response

Codeunit

Enum







Codeunit

Enum

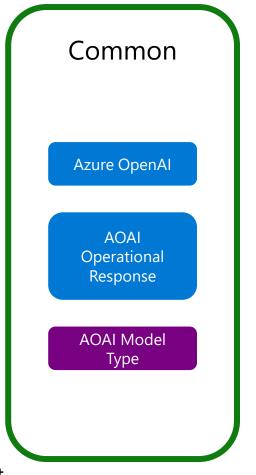
Text Completions

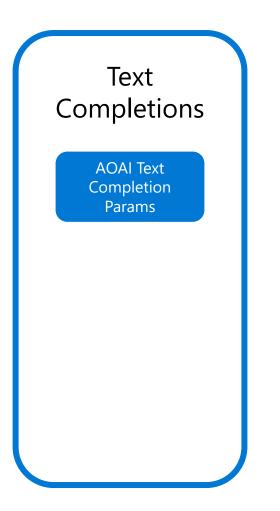
AOAI Text Completion Params

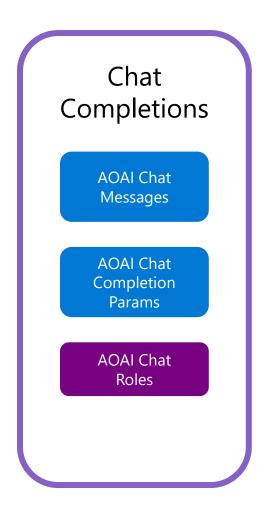
- SetMaxTokens
- SetTemperature
- SetPresencePenalty
- ...

Codeunit

Enum







Codeunit

Enum

Chat Completions **AOAI Chat** Completion Params **AOAI** Chat Roles

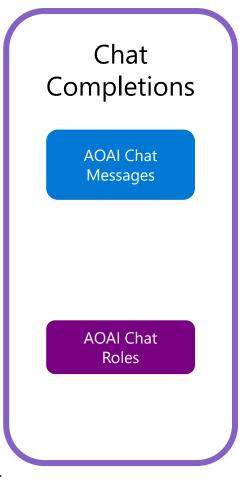
AOAI Chat Messages

- SetPrimarySystemMessage
- SetHistoryLength
- AddSystemMessage
- AddAssistantMessage
- AddUserMessage
- •

Codeunit

Enum

*Bringing your own PrimarySystemMessage metaprompt which is specific to your capability is recommended



AOAI Chat Completion Params

- SetMaxTokens
- SetTemperature
- SetPresencePenalty
- ...

Codeunit

Enum

Chat Completions **AOAI** Chat Messages **AOAI Chat** Completion Params

AOAI Chat Roles

- User
- System
- Assistant

Codeunit

Enum

```
enumextension 54320 "Copilot Capability Extension" extends "Copilot Capability"
{
    value(54300; "Draft a job")
    {
        Caption = 'Draft a Job';
    }
}
```

```
codeunit 54310 "Secrets And Capabilities Setup"
    Subtype = Install;
   InherentEntitlements = X;
   InherentPermissions = X;
    Access = Internal;
   trigger OnInstallAppPerDatabase()
    begin
        RegisterCapability();
    end;
    local procedure RegisterCapability()
    var
        CopilotCapability: Codeunit "Copilot Capability";
        LearnMoreUrlTxt: Label 'https://example.com/DraftaJob', Locked = true;
    begin
        if not CopilotCapability.IsCapabilityRegistered(Enum::"Copilot Capability"::"Draft a Job") then
            CopilotCapability.RegisterCapability(Enum::"Copilot Capability"::"Draft a Job",
                      Enum::"Copilot Availability"::"Generally Available", LearnMoreUrlTxt);
    end;
```

```
local procedure RegisterCapability()
var
          CopilotCapability: Codeunit "Copilot Capability";
          LearnMoreUrlTxt: Label 'https://example.com/DraftaJob', Locked = true;
begin
end;
```

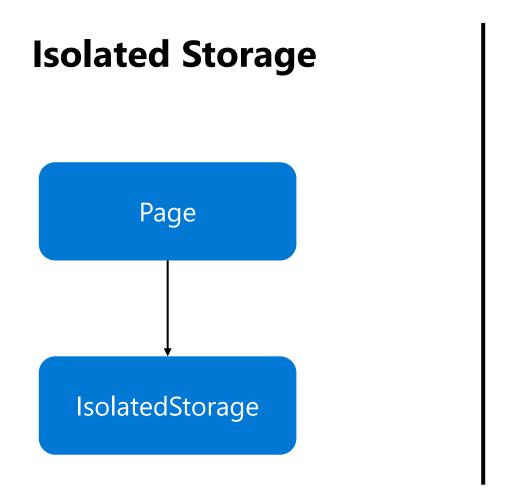
```
local procedure RegisterCapability()
var
    CopilotCapability: Codeunit "Copilot Capability";
    LearnMoreUrlTxt: Label 'https://example.com/DraftaJob', Locked = true;
begin
    if not CopilotCapability.IsCapabilityRegistered(
        Enum::"Copilot Capability"::"Draft a Job") then
    CopilotCapability.RegisterCapability(
        Enum::"Copilot Capability"::"Draft a Job",
        Enum::"Copilot Availability"::"Generally Available", LearnMoreUrlTxt);
end;
```

Setting up your authorization

Saving your authorization

- Azure OpenAl Resource URL
 - https://[resourcename].openai.azure.com/
- Deployment Name
 - · MyGPT3.5
- · Azure OpenAl API key

Saving your authorization



Key Vault

Appsource Key Vault

Setting up your authorization

```
local procedure SetAuthorization(var AzureOpenAI: Codeunit "Azure OpenAI")
var
    Endpoint: Text;
    Deployment: Text;
    [NonDebuggable]
    Apikey: Text;
begin
    IsolatedStorage.Get('Endpoint', Endpoint);
    IsolatedStorage.Get('Deployment', Deployment);
    IsolatedStorage.Get('Apikey', Apikey);
```

Setting up your authorization

```
local procedure SetAuthorization(var AzureOpenAI: Codeunit "Azure OpenAI")
var
    Endpoint: Text;
    Deployment: Text;
    [NonDebuggable]
    Apikey: Text;
begin
    IsolatedStorage.Get('Endpoint', Endpoint);
    IsolatedStorage.Get('Deployment', Deployment);
    IsolatedStorage.Get('Apikey', Apikey);
    AzureOpenAI.SetAuthorization(Enum::"AOAI Model Type"::"Chat Completions",
      Endpoint, Deployment, Apikey);
end;
```

```
codeunit 54334 "CopilotJob"
   procedure Generate(Prompt: Text): Text
    var
       AzureOpenAI: Codeunit "Azure OpenAI";
        AOAIOperationResponse: Codeunit "AOAI Operation Response";
       AOAIChatCompletionParams: Codeunit "AOAI Chat Completion Params";
       AOAIChatMessages: Codeunit "AOAI Chat Messages";
       Metaprompt: Text;
       Result: Text;
    begin
        SetAuthorization(AzureOpenAI);
        SetParameters(AOAIChatCompletionParams);
       AzureOpenAI.SetCopilotCapability(Enum::"Copilot Capability"::"Draft a Job");
        IsolatedStorage.Get('DescribeJobMetaprompt', Metaprompt);
       AOAIChatMessages.SetPrimarySystemMessage(Metaprompt);
        AOAIChatMessages.AddUserMessage(Prompt);
       AzureOpenAI.GenerateChatCompletion(AOAIChatMessages, AOAIChatCompletionParams, AOAIOperationResponse);
       if AOAIOperationResponse.IsSuccess() then
            Result := AOAIChatMessages.GetLastMessage();
        exit(Result);
    end;
    local procedure SetParameters(var AOAIChatCompletionParams: Codeunit "AOAI Chat Completion Params")
    begin
        AOAIChatCompletionParams.SetMaxTokens(2500);
        AOAIChatCompletionParams.SetTemperature(0);
    end;
```

```
procedure Generate(Prompt: Text): Text
var

    AzureOpenAI: Codeunit "Azure OpenAI";
    AOAIOperationResponse: Codeunit "AOAI Operation Response";
    AOAIChatCompletionParams: Codeunit "AOAI Chat Completion Params";
    AOAIChatMessages: Codeunit "AOAI Chat Messages";
    Metaprompt: Text;
    Result: Text;
begin
```

```
procedure Generate(Prompt: Text): Text
var
    AzureOpenAI: Codeunit "Azure OpenAI";
    AOAIOperationResponse: Codeunit "AOAI Operation Response";
    AOAIChatCompletionParams: Codeunit "AOAI Chat Completion Params";
    AOAIChatMessages: Codeunit "AOAI Chat Messages";
    Metaprompt: Text;
    Result: Text;
begin
    SetAuthorization(AzureOpenAI);
```

```
procedure Generate(Prompt: Text): Text
var

    AzureOpenAI: Codeunit "Azure OpenAI";
    AOAIOperationResponse: Codeunit "AOAI Operation Response";
    AOAIChatCompletionParams: Codeunit "AOAI Chat Completion Params";
    AOAIChatMessages: Codeunit "AOAI Chat Messages";
    Metaprompt: Text;
    Result: Text;
    begin
        SetAuthorization(AzureOpenAI);
        SetParameters(AOAIChatCompletionParams);
```

```
local procedure SetParameters(var AOAIChatCompletionParams: Codeunit "AOAI Chat Completion
Params")
    begin
        AOAIChatCompletionParams.SetMaxTokens(2500);
        AOAIChatCompletionParams.SetTemperature(0);
    end;
```

```
procedure Generate(Prompt: Text): Text
var
    AzureOpenAI: Codeunit "Azure OpenAI";
    AOAIOperationResponse: Codeunit "AOAI Operation Response";
    AOAIChatCompletionParams: Codeunit "AOAI Chat Completion Params";
    AOAIChatMessages: Codeunit "AOAI Chat Messages";
    Metaprompt: Text;
    Result: Text;
    Result: Text;
begin
    SetAuthorization(AzureOpenAI);
    SetParameters(AOAIChatCompletionParams);

AzureOpenAI.SetCopilotCapability(Enum::"Copilot Capability"::"Draft a Job");
```

```
procedure Generate(Prompt: Text): Text
var

AzureOpenAI: Codeunit "Azure OpenAI";
AOAIOperationResponse: Codeunit "AOAI Operation Response";
AOAIChatCompletionParams: Codeunit "AOAI Chat Completion Params";
AOAIChatMessages: Codeunit "AOAI Chat Messages";
Metaprompt: Text;
Result: Text;
begin
    SetAuthorization(AzureOpenAI);
    SetParameters(AOAIChatCompletionParams);

AzureOpenAI.SetCopilotCapability(Enum::"Copilot Capability"::"Draft a Job");
IsolatedStorage.Get('DescribeJobMetaprompt', Metaprompt);
AOAIChatMessages.SetPrimarySystemMessage(Metaprompt);
```

Metaprompt

- · What it should do
 - · Define the model's profile, capabilities, and limitations for your scenario
 - · Define the model's output format
 - Provide example(s) to demonstrate the intended behavior of the model
 - · Provide additional behavioral guardrails

Metaprompt

"You are an AI assistant in Business Central that helps the user draft project tasks in the following XML format.

If the user asks you a question you don't know the answer to, say so."

```
procedure Generate(Prompt: Text): Text
var
    AzureOpenAI: Codeunit "Azure OpenAI";
    AOAIOperationResponse: Codeunit "AOAI Operation Response";
    AOAIChatCompletionParams: Codeunit "AOAI Chat Completion Params";
    AOAIChatMessages: Codeunit "AOAI Chat Messages";
   Metaprompt: Text;
    Result: Text;
begin
    SetAuthorization(AzureOpenAI);
    SetParameters(AOAIChatCompletionParams);
    AzureOpenAI.SetCopilotCapability(Enum::"Copilot Capability"::"Draft a Job");
    IsolatedStorage.Get('DescribeJobMetaprompt', Metaprompt);
    AOAIChatMessages.SetPrimarySystemMessage(Metaprompt);
    AOAIChatMessages.AddUserMessage(Prompt);
```

Generation

```
procedure Generate(Prompt: Text): Text
var
    AzureOpenAI: Codeunit "Azure OpenAI";
    AOAIOperationResponse: Codeunit "AOAI Operation Response";
    AOAIChatCompletionParams: Codeunit "AOAI Chat Completion Params";
    AOAIChatMessages: Codeunit "AOAI Chat Messages";
   Metaprompt: Text;
    Result: Text;
begin
    SetAuthorization(AzureOpenAI);
    SetParameters(AOAIChatCompletionParams);
    AzureOpenAI.SetCopilotCapability(Enum::"Copilot Capability"::"Draft a Job");
    IsolatedStorage.Get('DescribeJobMetaprompt', Metaprompt);
    AOAIChatMessages.SetPrimarySystemMessage(Metaprompt);
    AOAIChatMessages.AddUserMessage(Prompt);
    AzureOpenAI.GenerateChatCompletion(AOAIChatMessages, AOAIChatCompletionParams, AOAIOperationResponse);
```

Generation

end;

```
procedure Generate(Prompt: Text): Text
var
    AzureOpenAI: Codeunit "Azure OpenAI";
    AOAIOperationResponse: Codeunit "AOAI Operation Response";
    AOAIChatCompletionParams: Codeunit "AOAI Chat Completion Params";
    AOAIChatMessages: Codeunit "AOAI Chat Messages";
    Metaprompt: Text;
    Result: Text;
begin
    SetAuthorization(AzureOpenAI);
    SetParameters(AOAIChatCompletionParams);
    AzureOpenAI.SetCopilotCapability(Enum::"Copilot Capability"::"Draft a Job");
    IsolatedStorage.Get('DescribeJobMetaprompt', Metaprompt);
    AOAIChatMessages.SetPrimarySystemMessage(Metaprompt);
    AOAIChatMessages.AddUserMessage(Prompt);
    AzureOpenAI.GenerateChatCompletion(AOAIChatMessages, AOAIChatCompletionParams, AOAIOperationResponse);
    if AOAIOperationResponse.IsSuccess() then
        Result := AOAIChatMessages.GetLastMessage();
```

Generation

```
procedure Generate(Prompt: Text): Text
var
    AzureOpenAI: Codeunit "Azure OpenAI";
    AOAIOperationResponse: Codeunit "AOAI Operation Response";
    AOAIChatCompletionParams: Codeunit "AOAI Chat Completion Params";
    AOAIChatMessages: Codeunit "AOAI Chat Messages";
    Metaprompt: Text;
    Result: Text;
begin
    SetAuthorization(AzureOpenAI);
    SetParameters(AOAIChatCompletionParams);
    AzureOpenAI.SetCopilotCapability(Enum::"Copilot Capability"::"Draft a Job");
    IsolatedStorage.Get('DescribeJobMetaprompt', Metaprompt);
    AOAIChatMessages.SetPrimarySystemMessage(Metaprompt);
    AOAIChatMessages.AddUserMessage(Prompt);
    AzureOpenAI.GenerateChatCompletion(AOAIChatMessages, AOAIChatCompletionParams, AOAIOperationResponse);
    if AOAIOperationResponse.IsSuccess() then
        Result := AOAIChatMessages.GetLastMessage();
    exit(Result);
end;
```

Optional Parameters

Optional Parameters

- Supported for Text and Chat completions
- Used to control the models
 - Temperature
 - Max Tokens
 - Presence Penalty
 - And more
- Not all parameters are supported
 - \circ n

Missing feature?



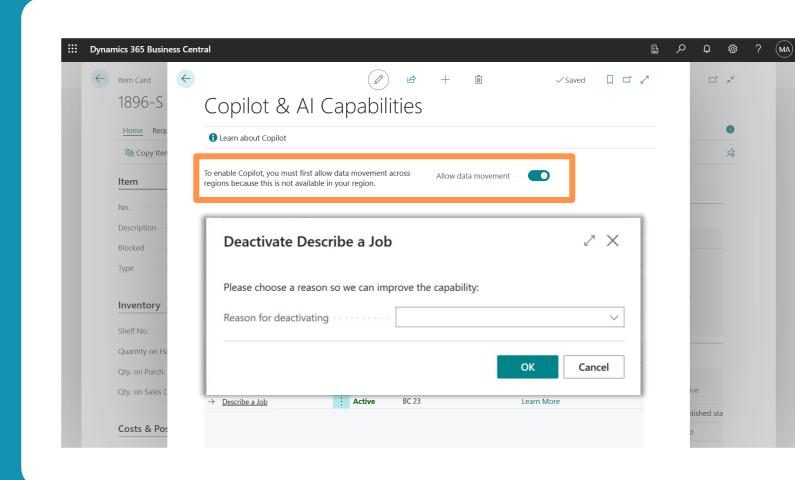
Contribute via GitHub

Administration

Admins are in control

Copilot and AI Capabilities page

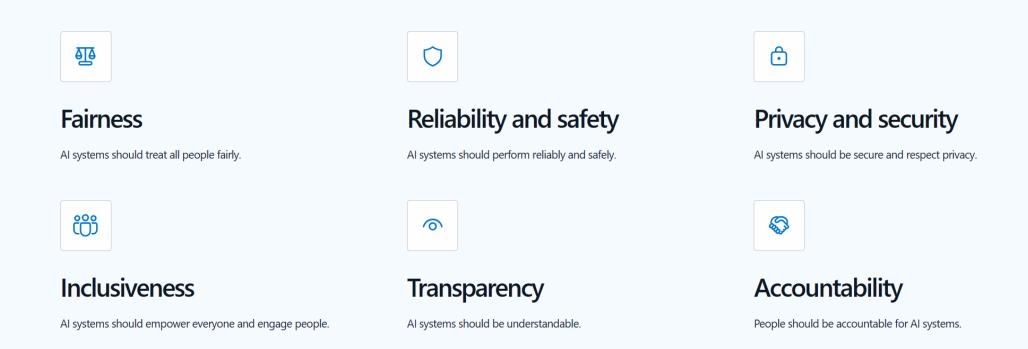
- Transparency and control for admins
- Registered capabilities show here
- Capabilities can be deactivated
- Control over connection to AzureOpenAl Service



Building Al responsibly

Defining what's important

We've identified six principles that we believe should guide AI development and use



Learn about principles and get access to engineering resources at aka.ms/RAI

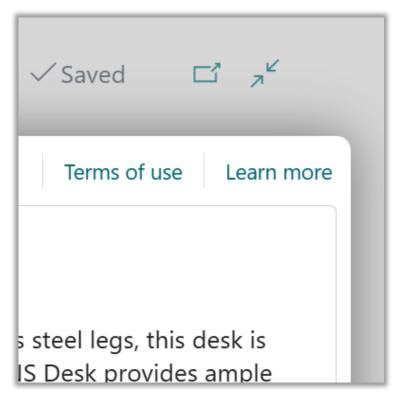
Transparency



Al disclaimer

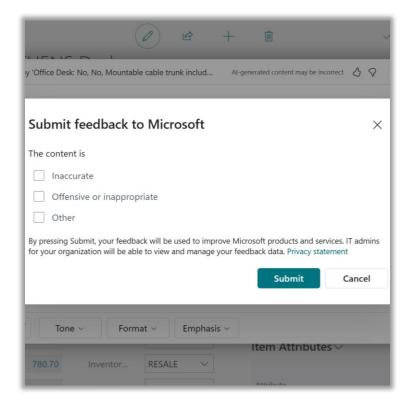


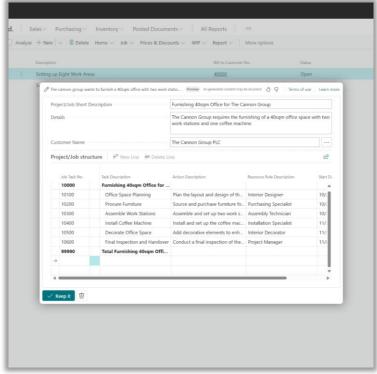
Signal that AI is at play

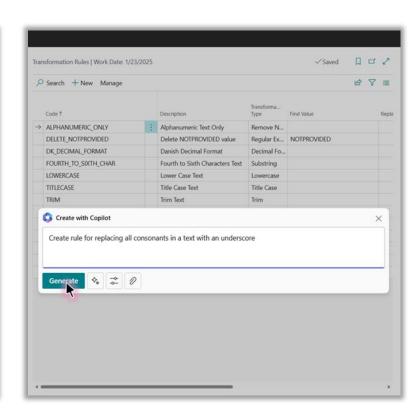


Transparency documentation

Reliability & Safety







Monitor feedback

Analyze usage

Add additional metaprompts, content filtering

Summary

- Dev tools available today with Insider Builds
- Generative AI with Azure OpenAI Service
- Signature Copilot experience
- Lots more goodies!
- Designed for Business Central online



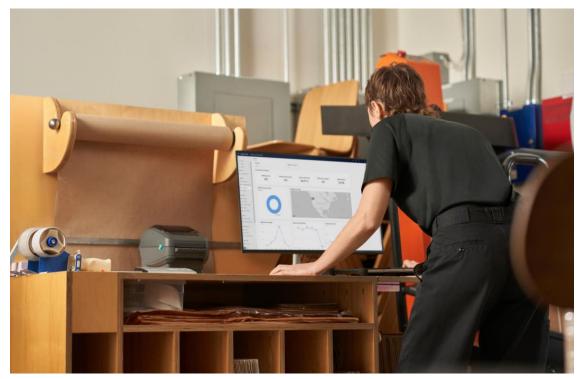
Resources

- aka.ms/OAlapply
- aka.ms/BCStartCodingWithAlLearn

Watch other relevant launch event sessions



Introducing: Bank account reconciliation assistance with Copilot



What's new: Marketing text suggestions

Copilot and AI discussion

https://go.microsoft.com/fwlink/?linkid=2229283

Share your screenshots! #MSDyn365BC

Thank you