



Azure Open AI Cheat sheet

2023 | cluedin.com

CHANGING THE GAME

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Important parts



Important Parts

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Add Action

Name*
Please enter the name of the new rule

Conditions
Configure the conditions for this rule.

[+ Add first rule](#)

Action
Select the action to invoke when the conditions are met.

Add Value with CluedIn AI No preview supported

FieldName

Prompt

DeploymentName

TargetField

Fields with * are required.

1

Field Name:

Name of Vocabulary Key that contains the value you are wanting to use in your prompt. (Optional)

2

Prompt:

The prompt that will be sent to Azure OpenAI in an effort to return a value.

3

Deployment Name:

The name of the Deployment in Azure OpenAI for the LLM Model you have deployed.

4

Tag Field:

Name of the Vocabulary Key that will take the result from Azure OpenAI.

Important Parts | Tokens

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Add Action

Name*
Please enter the name of the new rule

Tokens:
The prompt supports a Token system so that it can inject dynamic or static values into its prompt based of the current record that is being evaluated by the rule you have built.

Prompt

DeploymentName

TargetField




Fields with * are required.

Inject the value of organization.name for the current Entity	{Vocabulary:organization.name}
Inject the Name property on an Entity for the current Entity	{Property:Name}
Tell Azure OpenAI to return the results into the respective Vocabulary Key in CluedIn	{~Vocabulary:organization.city}
Tell Azure OpenAI to return the results into the respective Vocabulary Key in CluedIn with a replacement Hint to pass to Azure Open AI.	{City~Vocabulary:organization.cty}
Pass through ALL /User Records that have an Edge to the current Entity of type "/Worksfor" and return the user.fullName of ALL of those records in a list	{Vocabulary:user.fullName /User,/WorksFor}
Pass through the first 4 /User Records that have an Edge to the current Entity of type "/Worksfor" and return the user.fullName of the first 4 of those records in a list	{Vocabulary:user.fullName /User,/WorksFor,[0-3]}
Pass through a STATIC reference to an Entity Id and load its user.phone value into the prompt	{<dce3ad3f-26ec-468b-91d5-2779fc683a79>#Vocabulary:user.phone}

Guide:

Disable the rule that did not return the right result. Reprocess the records that you would like to undo, enable the rule again.

How to handle a situation where the input to OpenAI is not what you expected?

Prompt:	Convert {Vocabulary:organization.countryCode} into its 2 letter ISO equivalent
 Example:	Convert AUS into its 2 letter ISO equivalent
Open AI Response:	AU
 Bad Example:	Convert +44 637 19293 into its 2 letter ISO equivalent
Open AI Response:	This is not a valid ISO code to start with, hence we cannot convert it.
 How to handle bad data:	Convert {Vocabulary:organization.countryCode} into its 2 letter ISO equivalent only if {Vocabulary:organization.countryCode} is a valid country code, otherwise return {Vocabulary:organization.countryCode}
Example:	Convert AUS into its 2 letter ISO equivalent only if AUS is a valid country code, otherwise return AUS.

Basic Examples

Basic Examples

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Example 1	Transform input data to an output value
Prompt:	Convert {Vocabulary:organization.countryCode} into its 2 letter ISO equivalent
Example:	Convert AUS into its 2 letter ISO equivalent
Open AI Response:	AU

Example 2	Change the value of a field using Entity Properties
Prompt:	Convert {Property:Name} to its 2 letter ISO equivalent
Example:	Convert Australia to its 2 letter ISO equivalent
Open AI Response:	AU

Example 3	Use the values of many fields to add or change another field
Prompt:	What is the HQ Address of {Vocabulary:organization.name} in the {Vocabulary:commonDataModel.company.countryCode}?
Example:	What is the HQ Address of Google in the USA?
Open AI Response:	Google LLC 1600 Amphitheatre Parkway Mountain View, CA 94043

Basic Examples

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Example 4	Turn Phone Number into Common Standard (Build Data Policies)
Prompt:	Standardize {Vocabulary:organization.phone} into an RFC 3966 standard
Example:	Standardize 1800 645 272 into an RFC 3966 standard
Open AI Response:	tel:+1800-645-272

Example 5	Strip unwanted characters from Emails
Prompt:	Remove all characters from {Vocabulary:user.workEmail} that are not part of a standard email
Example:	Remove all characters from ["johnsmith@cluedin.com"] that are not part of a standard email
Open AI Response:	johnsmith@cluedin.com

Example 6	Strip Company Suffix from Company Name
Prompt:	Remove the company suffix from the following company name: {Vocabulary:organization.name}
Example:	Remove the company suffixes from the following company name: CluedIn ApS
Open AI Response:	CluedIn

Basic Examples

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Example 7	Standardise Data e.g. 1,3 Billion and 1.30B
Prompt:	Turn {Vocabulary:organization.annualRevenue} into a numeric value.
Example:	Turn 1.30B into a number
Open AI Response:	1300000000

Example 8	Geolocation Example
Prompt:	In what country is the longitude and latitude values of {Vocabulary:organization.longitude} and {Vocabulary:organization.latitude} located? Just return the country.
Example:	In what country is the longitude and latitude values of -27.467443850176387 and 153.02633873096067 located? Just return the country.
Open AI Response:	Australia

Example 9	Detect if personal email or work email
Prompt:	Rate how likely that {Vocabulary:user.email} is a work or personal email. Return either "P" or "W" respectively.
Example:	Rate how likely that johnsmith@cluedin.com is a work or personal email. Return either "P" or "W" respectively.
Open AI Response:	W

Basic Examples

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Example 10	Detect if it is a real email or a fake one
Prompt:	Rate how likely that {Vocabulary:user.email} is real from 1 to 100%
Example:	Rate how likely that bill.gates@microsoft.com is real from 1 to 100%
Open AI Response:	100%

Enrichment Examples

Enrichment Examples

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Example 1	Enrich records where you don't have a value
Prompt:	What is the website for {Vocabulary:organization.name}? Return value in the format of a standard Url.
Example:	What is the website for Microsoft? Return value in the format of a standard Url.
Open AI Response:	www.microsoft.com

Example 2	Enrich any field e.G. Ceo, address that is missing.
Prompt:	Who is the CEO of {Vocabulary:organization.name}? Return the result in the format of Firstname Lastname
Example:	Who is the CEO of Microsoft? Return the result in the format of Firstname Lastname
Open AI Response:	Satya Nadella

Example 3	Automatically add descriptions for products
Prompt:	Given the product called {Vocabulary:product.name} generate a description of it
Example:	Given the product called Coca Cola Vanilla generate a description of it
Open AI Response:	Coca Cola Vanilla is a refreshing carbonated beverage that combines the classic taste of Coca Cola with a smooth vanilla flavor for a deliciously unique soda experience.

Complex Examples

Complex Examples

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Example 1	Run Complex String Functions
Prompt:	Split {Vocabulary:organization.webTechnologies} into a list of technologies and skip the values that are not a technology
Example:	Split Sitecore, Hubspot, Salesforce, CluedIn, \$135, Google Analytics into a list of technologies and skip the values that are not a technology and return in a list format.
Open AI Response:	<ul style="list-style-type: none">• Sitecore• Hubspot• Salesforce• CluedIn• Google Analytics

Example 2	Run Name Entity Recognition e.g. extract all company names out of this and place into another field.
Prompt:	Extract all company names out of this and place into another field “The Industrial and Commercial Bank of China is once again the biggest bank on the planet, with \$5.5 trillion in assets. Three more Chinese banks were among the top five biggest: China Construction Bank (\$4.7 trillion in assets), Agricultural Bank of China (\$4.6 trillion) and the Bank of China (\$4.2 trillion). “
Open AI Response:	<ul style="list-style-type: none">• Industrial and Commercial Bank of China• China Construction Bank• Agricultural Bank of China• Bank of China

Complex Examples

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Example 3	Lookup a static Record to fetch value
Prompt:	Return the Country that this phone number represents {<dce3ad3f-26ec-468b-91d5-2779fc683a79>#Vocabulary:user.phone}
Example:	Return the Country that this phone number represents 0403 932 912 and just return the country name.
Open AI Response:	Australia

Example 4	Lookup a dynamic Record to fetch value
Prompt:	Who is the CEO of {Vocabulary:company.name} given the following list of people : {Vocabulary:user.fullName /User,/WorksFor} Just return the name of the CEO.
Example:	Who is the CEO of CluedIn given the following list of people: <ul style="list-style-type: none">• Tim Ward• Martin Hydahl• Pierre Derval Just return the name of the CEO.
Open AI Response:	Tim Ward

Complex Examples

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Example 5	Create Logic Branches e.g. "if A and B have a 75% match, then return TRUE into a new field"
Prompt:	If {Vocabulary:user.fullName} is not in the order of First Name, then Last Name then fix it and return the Full Name with this fixed.
Example:	If Ward Tim, is not in the order of First Name, then Last Name then fix it and return the Full Name with this fixed.
Open AI Response:	Tim Ward

Action Chaining



Action Chaining

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Example 1	Classify Data and Tag Records
Rule Action 1 Prompt:	What tag out of Sales, Marketing, Engineering best classifies the following text {Vocabulary:organization.notes}
Rule Action 2:	Add Tag from "ai.classification".

Example 2	Chain Actions Together with Conditions e.g. (Get AI to write a value into a new field, then use that new field to apply a Tag)
Rule Action 1 Prompt:	Return a Regular Expression to find Credit Cards.
Rule Action 2:	Choose Evaluate Regex and use "ai.regex" as the Expression.

Return Multiple Values

Return Multiple Values

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Example 1	Given Full Name, split into First and Last Name parts. Return multiple values from one prompt (the ~ in the token tells the engine to not load the value, but rather to know what fields to save the result back into)
Prompt:	Split {Vocabulary:user.fullName} into its respective First and Last Name and return to {~Vocabulary:user.firstName} and {~Vocabulary:user.lastName}
Example:	Split Tim Ward into its respective First and Last name and return to user.firstName and user.lastName
Open AI Response:	<ul style="list-style-type: none">• user.firstName = Tim• user.lastName = Ward

Example 2	Fix an Address into its respective parts with Vocabulary Key hints
Prompt:	Given this address {Vocabulary:organization.address} parse it into {City~Vocabulary:organization.city}, {Country~Vocabulary:organization.country}, {State~Vocabulary:organization.region}
Example:	Given this address 11 Titangade Norrebro Copenhagen Denmark parse it into City, Country and Region and return into City, Country, State
Open AI Response:	<ul style="list-style-type: none">• Organization.city = Copenhagen• Organization.country = Denmark• Organization.Region = Zealand

Unstructured Data

Unstructured Data

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Example 1	Make structure out of unstructured e.g. Given Product Description, extract into Size, Brand, Name. Given a structure that is not well known.
Prompt:	Given this material "{Vocabulary:material.title}" parse it into {Size~Vocabulary:material.size}, {Brand~Vocabulary:material.brand}, {Product Name~Vocabulary:material.product}, {Packaging~Vocabulary:material.packaging}
Example:	Given the material "Coca Cola Vanilla 30dl X6" parse it into Size, Brand, Product Name, Packageing
Open AI Response:	<ul style="list-style-type: none">• Material.size = 30dl• Material.brand = Coca Cola• Material.product = Vanilla• Material.packaging = X6
Example 2	Extract Values e.g. Annual Revenue from Descriptions if they exist.
Prompt:	Extract the annual revenue out of the following text. „The Industrial and Commercial Bank of China is once again the biggest bank on the planet, with \$66 billion in annual revenue.“
Example:	Extract the annual revenue out of the following text. „The Industrial and Commercial Bank of China is once again the biggest bank on the planet, with \$66 billion in annual revenue.“
Open AI Response:	\$66 billion

Unstructured Data

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Example 3	Anomaly Detection e.g. just feed it a table with allowed values e.g Male, Female, Gender and then pass in your value and ask if it would be considered an anomaly in this list.
Prompt:	Given the following values of Banana, Apple, Orange, return true if {Vocabulary:user.fruit} is an anomaly.
Example:	Given the following values of Banana, Apple, Orange, return true if Pear is an anomaly.
Open AI Response:	True

Other

Other

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Example 1	Explain a decision
Prompt:	Explain why you think {Vocabulary:company.name} is in the {Vocabulary:company.industry} industry?
Example:	Explain why you think Danske Bank is in the Banking industry?
Open AI Response:	Danske Bank is in the banking industry because it provides a range of financial services to its customers, including savings accounts, loans, mortgages, investments, and insurance. The bank also offers online banking, mobile banking, and other services. By providing these services, Danske Bank is able to generate revenue and profits, making it a part of the banking industry.

Example 2	Get a Match Confidence from a decision to wire up to automated notifications for Humans (via our Power Automate integration)
Prompt:	Provide a Match Confidence in the form of a %, for why you think {Vocabulary:organization.name} is in the {Vocabulary:organization.industry} Industry?
Example:	Provide a Match Confidence in the form of a %, for why you think Danske Bank is in the Banking Industry?
Open AI Response:	100%

Example 3	Ask for a response in another language
Prompt:	Generate a product description for {Vocabulary:product.name} and return it in Danish.
Example:	Generate a product description for Coca Cola Vanilla and return it in Danish.
Open AI Response:	Coca Cola Vanilla er en unik og frisk smag af den klassiske Coca Cola, kombineret med den søde smag af vanille. Den perfekte blanding af de to klassiske smage, der giver en forfriskende og velsmagende oplevelse. Det er den perfekte drik til at nyde alene eller sammen med venner. Pr

Calculations

Calculations

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Example 1	Run calculations across fields
Prompt:	Return the average of {Vocabulary:product.cost} and {Vocabulary:product.expense}
Example:	Return the average of \$5.00 and \$3.00
Open AI Response:	\$4.00

Example 2	Run temporal calculations
Prompt:	Given the birthday of {Vocabulary:user.birthday}, return the age of this person if the current year is 2023
Example:	Given the birthday of 22/04/1985, return the age of this person if the current year is 2023
Open AI Response:	37 years old

