Sitecore API Data Sync Module

Team 41 – **Code**S**heroes** – Integration

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# Module Overview:

Automate the Manual data insertion from API(JSON) to Sitecore Item using PowerShell Script.

The PowerShell script and widget automate the process of converting API JSON data into looped datasources from a template in Sitecore XM. This solution streamlines content creation by dynamically generating multiple datasource items based on structured JSON input, reducing manual effort and ensuring consistency. It enhances efficiency, especially for scenarios where large sets of structured data need to be integrated into Sitecore, such as product catalogues, event listings, or personalized content experiences.

# Key Features:

* Automates JSON data conversion into Sitecore datasources.
* Uses a single template for structured data creation.
* Reduces manual effort and ensures consistency.
* Seamlessly integrates API data into Sitecore XM.
* Ideal for dynamic content like products or events.

# Pre-Requisites:

⟹ Running Sitecore 10.4 Instance

⟹ Sitecore.PowerShell.Extensions/ PowerShell ISE to run PowerShell script

# Installation Process:

Use the Sitecore Installation wizard to install the package

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Please install the packages from here

<https://github.com/Sitecore-Hackathon/2025-CodeSheroes/tree/main/Sitecore%20Packages>

- Templates Package

- Content Items Package

- API Data Sync PowerShell Package

2. Open PowerShell ISE --> Settings --> Rebuild --> Sync Library with Content Editor Ribbon

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# Usage instructions

⟹ Go To Developer Ribbon

(If it’s not visible, then right click in the ribbon area and add it)

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⟹ You will see a button named APIDataSync in the Ribbon

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⟹ Click on the Button and you will see the model

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⟹ Select Template for the fields mapping

⟹ Select parent Data Source Item

⟹ Select API item to get the api URL

⟹ Click Sync Data button

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⟹ Now we can see the Data Source items with the entries created from API data

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# Conclusion

This PowerShell script and widget streamline the process of creating multiple datasources in Sitecore XM from API JSON data.

By automating structured data integration, it enhances efficiency, reduces manual work, and ensures consistency across content.

This solution is ideal for managing dynamic data, making Sitecore content management more scalable and seamless.