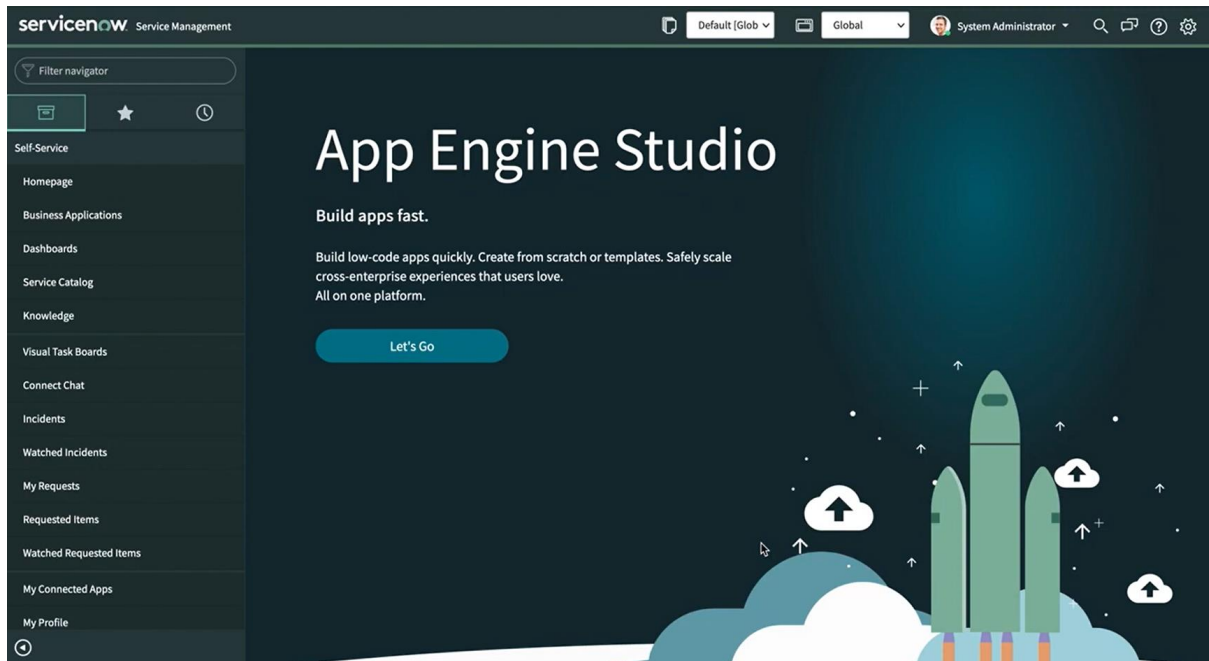


## Week\_1 - ServiceNow – Hands \_ On

### TOPIC : 11

#### ServiceNow Transform Maps & Field Maps :

Importing, transforming, and mapping imported data into ServiceNow



#### Transform Maps

A Transform Map is a powerful tool in ServiceNow that allows you to transform and manipulate imported data from external sources, such as CSV files, web services, or other data sources. The primary purpose of a Transform Map is to convert the incoming data into a format that can be easily consumed by ServiceNow.

Here are some key features of Transform Maps:

- **Data Transformation:** Transform Maps enable you to perform various data transformations, such as data type conversions, string manipulation, and arithmetic operations.
- **Data Validation:** You can validate incoming data against a set of rules, ensuring that only clean and accurate data is imported into ServiceNow.
- **Data Enrichment:** Transform Maps allow you to enrich imported data by adding additional information from other sources or performing calculations.

#### Field Maps

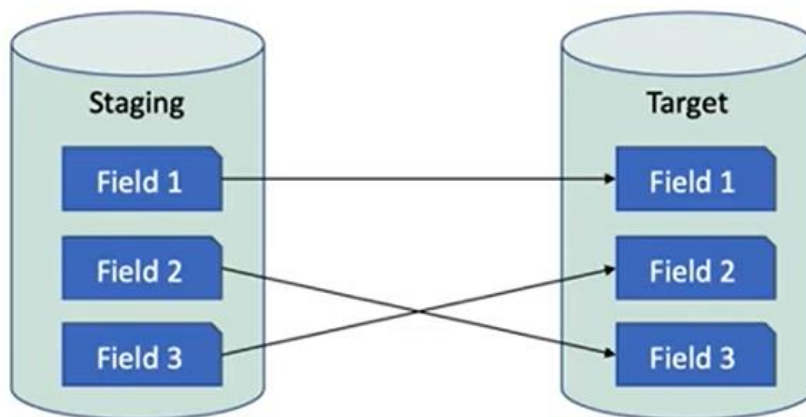
A Field Map is a configuration that defines how to map external data fields to ServiceNow fields. Field Maps are used in conjunction with Transform Maps to ensure that the transformed data is correctly mapped to the corresponding fields in ServiceNow.

Here are some key features of Field Maps:

## Field Maps

Defining how data flows from from the Staging table to the Target is done on a field by field basis. For example:

- Staging Field 1 maps to Target Field 1
- Staging Field 2 maps to Target Field 3
- Staging Field 3 maps to Target Field 2



Three Field Maps mapping data from Staging to Target

In ServiceNow, each of the field-level mappings is called a Field Map and is stored as a record in the **Field Map** [`sys_transform_entry`] table. To view a list of all Field Maps, enter `sys_transform_entry.list` in the Application Navigator filter.

- **Field Mapping:** Field Maps enable you to map external data fields to ServiceNow fields, ensuring that the data is correctly populated in the target table.
- **Data Type Conversion:** Field Maps can perform data type conversions, ensuring that the data is correctly formatted for the target field.
- **Default Values:** You can specify default values for fields that are not present in the imported data.

### Importing, Transforming, and Mapping Data in ServiceNow

The process of importing, transforming, and mapping data in ServiceNow involves the following steps:

1. **Data Import:** Import data from an external source, such as a CSV file or web service, into ServiceNow.
2. **Transform Map:** Apply a Transform Map to the imported data to transform and manipulate it into a format that can be easily consumed by ServiceNow.
3. **Field Map:** Use a Field Map to map the transformed data to the corresponding fields in ServiceNow.
4. **Data Insertion:** Insert the transformed and mapped data into the target table in ServiceNow.

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Field Maps (5)Transform Scripts

Field MapsNew

	Source field	Target field	Coalesce
<input type="checkbox"/>	<i>i</i> u_city	u_city	false
<input type="checkbox"/>	<i>i</i> u_name	u_user_name	true
<input type="checkbox"/>	<i>i</i> u_state	u_state	false
<input type="checkbox"/>	<i>i</i> u_zip	u_zip_code	false
<input type="checkbox"/>	<i>i</i> u_address	u_address	false

Actions on selected rows...

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