
DELHI
DREAMIN'
CONFERENCE FOR EVERYONE
March 01, 2025
DAIC, New Delhi (IN)

DELHI DREAMIN'
CONFERENCE FOR EVERYONE

AI DATA BHARAT CONFERENCE

#DelhiDreamin

www.delhidreamin.com

#DelhiNCROhana

OUR SPONSORS

DELHI DREAMIN'

PLATINUM SPONSOR

UST

BRONZE SPONSOR

TechForce SERVICES

BRONZE SPONSOR

CLOOBOTX

EDUCATION PARTNER

SMARTBRIDGE
Let's Bridge the Gap

GROWTH PARTNER

ASTREA IT

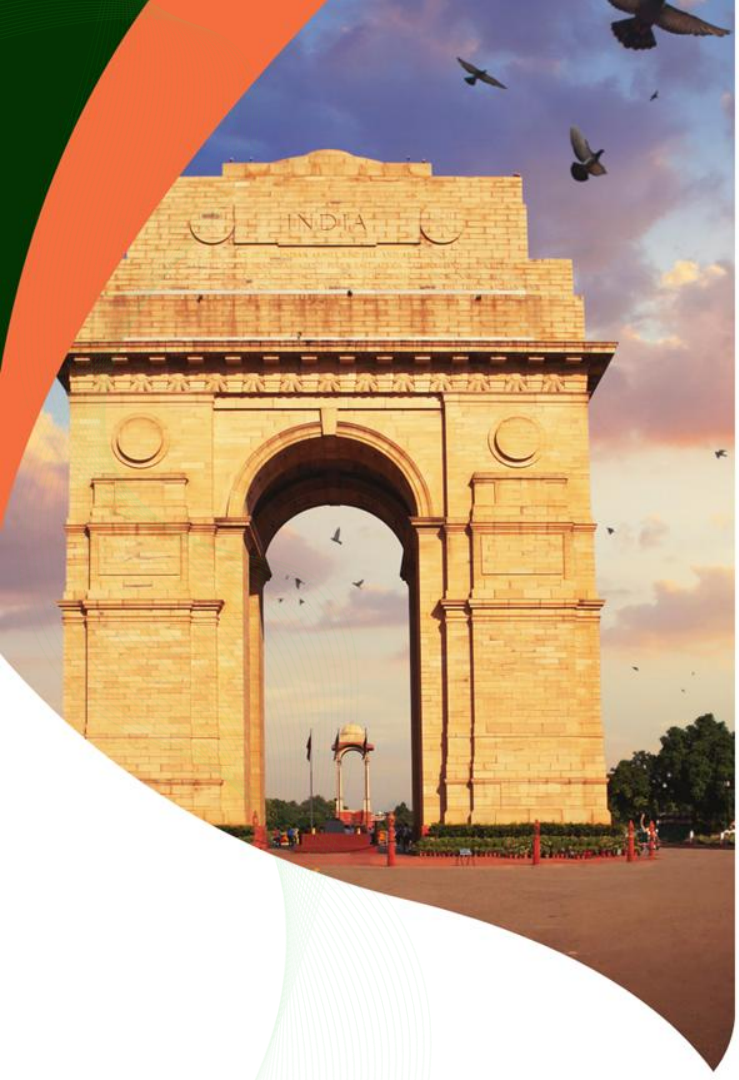
GROWTH PARTNER

CLOUD AT BAY

DELHI DREAMIN'
CONFERENCE FOR EVERYONE

Architect's Guide to Omnistudio

Ankit Guglani



DELHI DREAMIN'
CONFERENCE FOR EVERYONE

Agenda

- Introduction
- Where can I Use Omnistudio?
- Components of Omnistudio
- Omnistudio Use Case & Design
- Key Principles for Solution Design and Best Practices of OmniStudio
- Performance Factors to keep in Mind
- Quiz Time

DELHI DREAMIN'
CONFERENCE FOR EVERYONE

Ankit Guglani

Senior Technical Architect at Stratus Carta

Stratus Carta

https://www.linkedin.com/in/ankit-guglani-13340055/

Introduction

Omnistudio is a powerful digital engagement suite within Salesforce that enables architects and developers to create scalable, efficient, and user-friendly applications through a low code environment.Omnistudio provides set of services, components and predefined data model objects that combine to create industry specific solutions.

Where can I use OmniStudio?

Communications

Media

Energy & Utilities

Public Sector

Net Zero

Financial Services

Automotive

Health

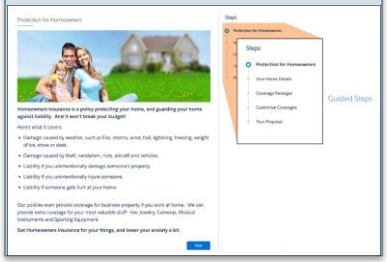
Manufacturing

Education

Omnistudio Components

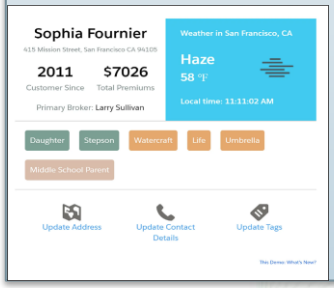
OmniScripts

Guided processes - e.g. Buy journey for mobile device + service. Think more powerful Screen Flow.



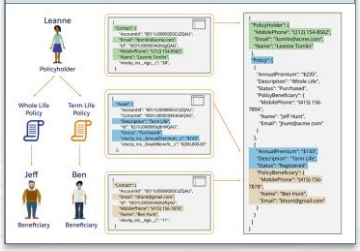
FlexCards

Drag-and-drop UIs surfacing data from Salesforce and/or other systems. Think declarative LWC.



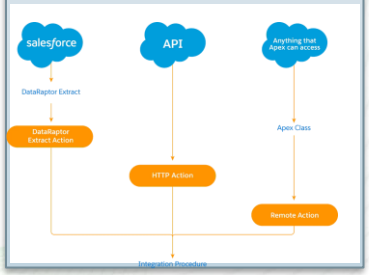
Data Mapper

Extract and load data from/to Salesforce. Transform payloads. Think declarative SOQL/DML.



Integration Procedures

Build no-code/low-code business logic. Think more powerful Auto launched Flow.



Omnistudio Use Case & Design

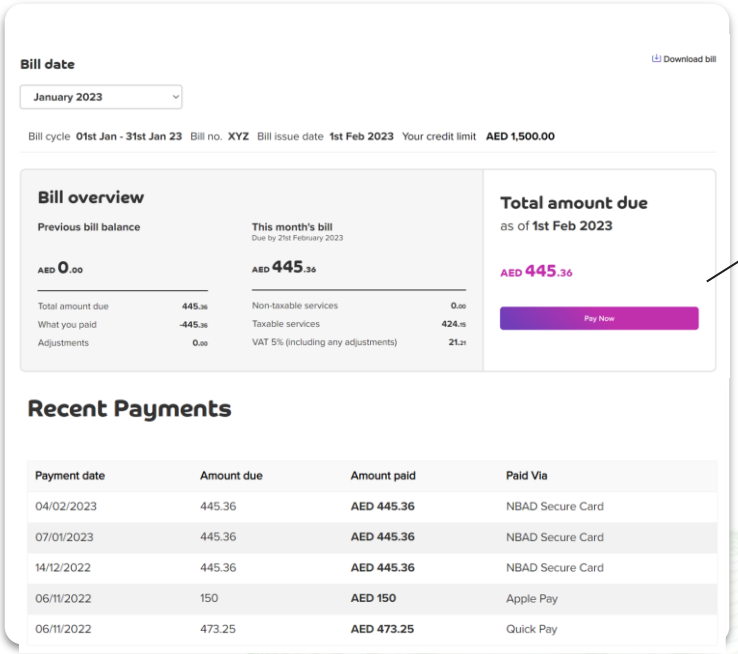
Integration Procedure

FlexCard

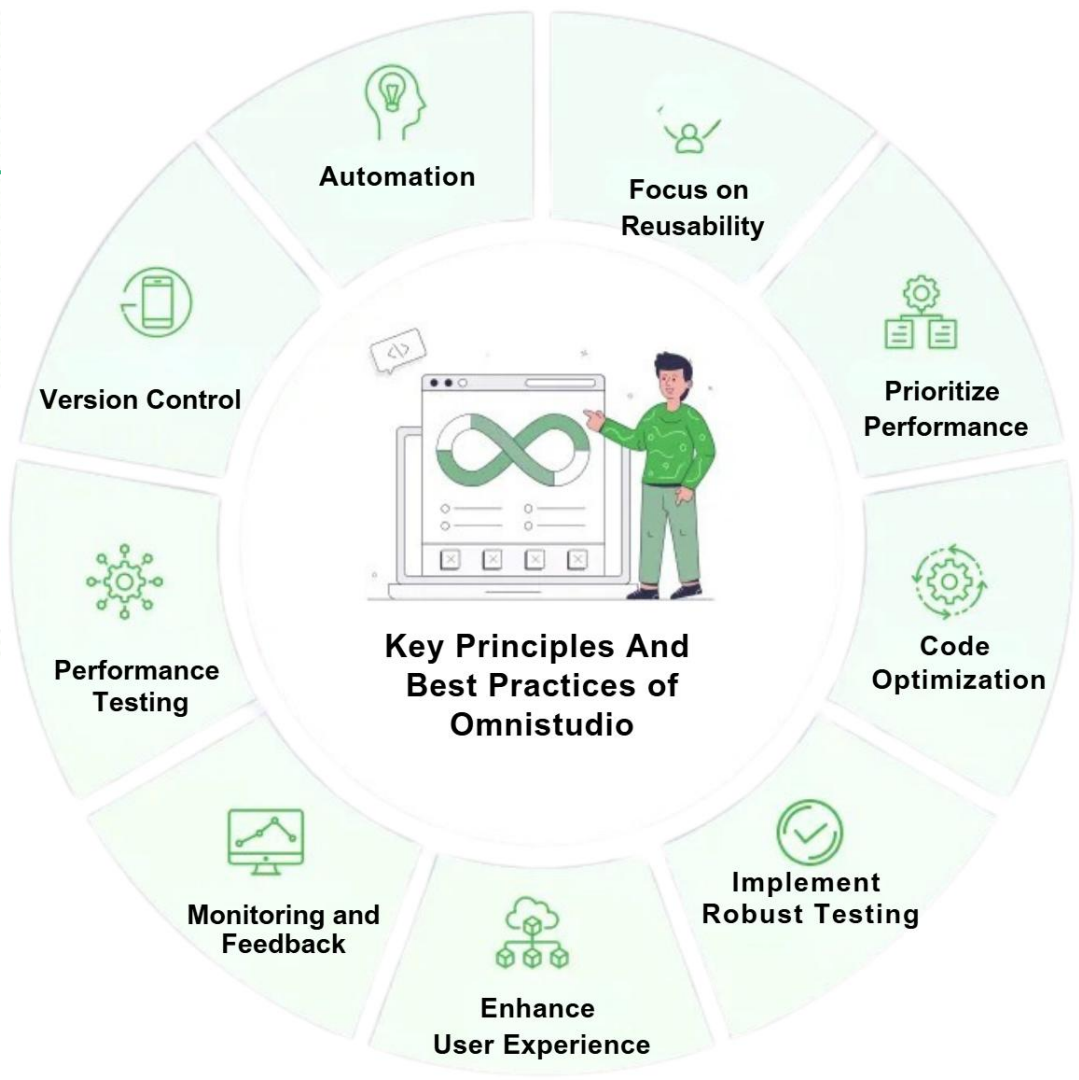
Data Mapper

Billing System (Mock)

Salesforce Account Record



Omniscript



Key Principles for Solution Design and Best Practices for Omnistudio

Performance Factors to Keep in Mind

Trim JSON requests – Use Send/Response Transformations to cut down JSON payload to external services

Use Integration Procedures (VIPs) to reduce server roundtrips –
Use for common CPQ calls, multiple DataRaptors, or any time you have more than one server call in between steps. Integration Procedures can also be used as ”fire and forget” asynchronous transactions with no callback.

Distribute Actions across OmniScript – If multiple server calls in between steps take too much time cumulatively, distribute the actions (if possible) to other parts of the OmniScript.

Use one of the async options for VIPs for backend calls

- Use Future call
- Fire and Forget
- Non-Blocking

Reduce Conditional Views and merge fields– Reduce Conditional Views, Merge Fields, Formulas where possible.

External system Feasibility – Make sure OmniOut application and JSON definitions are loaded from CMS.

Remove spaces from all UI element names – This improves OS load time.

Reduce number of OmniScript elements
Keep the number of elements below 200 (create child Omniscripts if needed)

Server Execution –Run logic on the Server where possible (Formulas in DataRaptor, Conditional Execution in Integration Procedures)

Time Tracking Flag
Enable during design and testing for performance measurements.

Quiz Time

DELHI DREAMIN'
CONFERENCE FOR EVERYONE

1. Which OmniStudio component is best suited for building reusable UI components?
a) OmniScripts
b) DataRaptors
c) FlexCards
d) Integration Procedures
Answer : c

2. What is the recommended best practice for DataRaptors to optimize performance?
a) Retrieve only the fields needed rather than full objects
b) Use multiple DataRaptors for the same data to ensure redundancy
c) Always fetch all related records to avoid future API calls
d) Store large datasets inside the DataRaptor
Answer : a

3. How should Integration Procedures be designed for efficiency?
a) Include all logic in a single step
b) Use chaining to break down complex processes into smaller units
c) Always return full data sets instead of filtering results
d) Avoid using caching for frequently accessed data
Answer : b

4. What should be minimized in OmniScripts to improve performance?
a) The use of Http Actions
b) The number of steps and UI elements
c) The use of caching
d) The number of user interactions
Answer : b

5. Why is it important to enable caching in OmniStudio components where applicable?
a) To avoid saving data unnecessarily
b) To make debugging easier
c) To ensure data is always fetched fresh from the source
d) To improve performance by reducing API calls and load time
Answer : d

DELHI DREAMIN'
CONFERENCE FOR EVERYONE

THANK YOU !

DELHIDREAMIN.COM

@DELHIDREAMIN

@DELHIDREAMINHQ

INFO@DELHIDREAMIN.COM