

Salesforce Apex Hours



Empowering Cross-Functional Teams with Scratch Orgs

Speakers

Christopher Ramm & Sebastiano Schwarz

Venue/Link

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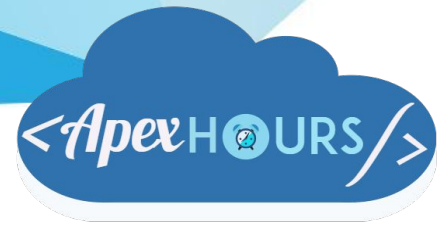
#SalesforceApexHours



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Our Speakers



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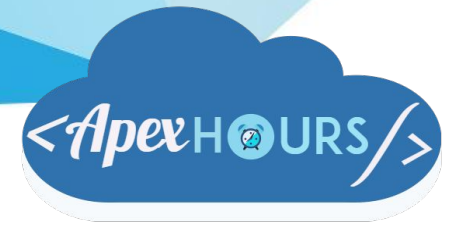
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Agenda



Common Challenges

Discussing practices that will harm your DevOps success and prevent Scratch Org adoption

Our Scratch Org Journey

Demystifying Scratch Org tools & terminology like Org Shapes, Snapshots etc.

Learnings & Solution Proposals

Experience from our project work, including a demo on a tangible Scratch Org accelerator



An ***inadequate DevOps setup***
can turn a project into a
complete nightmare



Does this look familiar to anyone?

Common Challenges in Salesforce DevOps

Cross-functional team setups

Modern DevOps practices require technical maturity that not all team members possess.

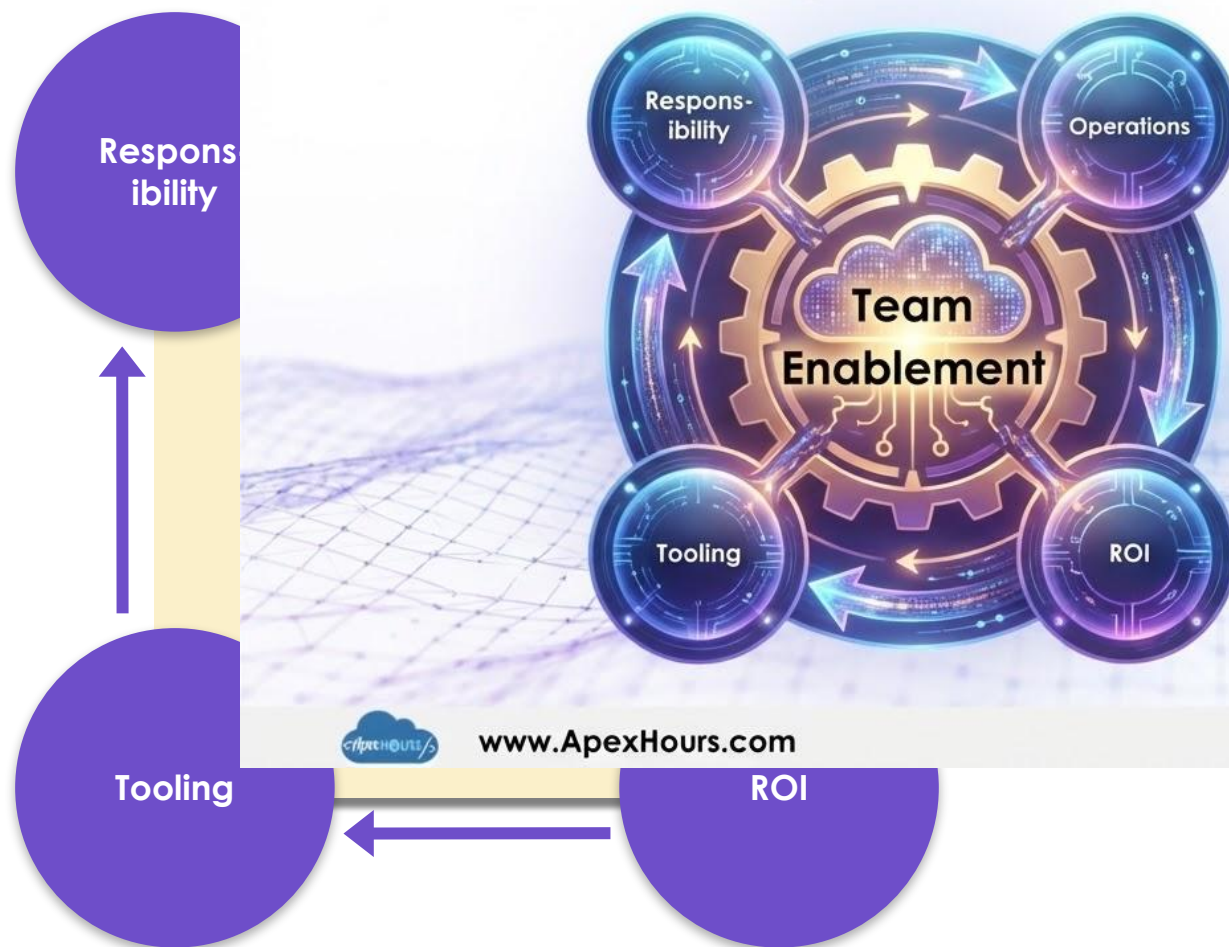
Lack of distributed responsibility

Shifting the entire DevOps responsibility to 1–2 people is a common antipattern, still causing bottlenecks in projects.

Wrong strategy for given project setup

Delivery approach, org strategy and team size are all factors to be considered for choosing the right strategy.

Build a DevOps culture that fits your needs



A strong **DevOps culture** depends on **team enablement** – only well-supported teams can adopt shared practices and maintain consistent delivery quality

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Scratch Org as potential accelerator?

“

A Scratch Org is a **temporary**, source-driven Salesforce environment that developers **create on demand** to test, build, or validate changes in isolation.

”

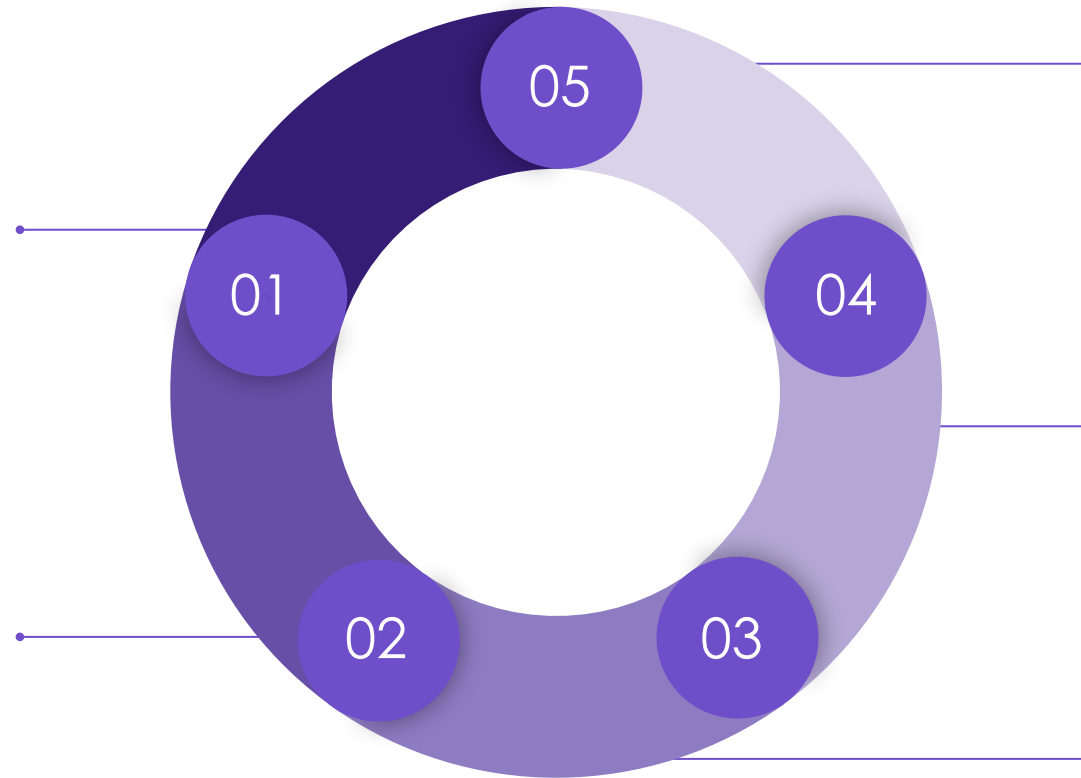
Scratch Org 101

Dev Hub

the central environment that lets you create, manage, and monitor scratch orgs and other related resources used in Salesforce DX development.

Scratch Org Definition File

is a JSON configuration file that describes the shape of a scratch org — including enabled features, settings, and org-level preferences.



Org Shapes

describe the structure and capabilities of an existing Salesforce org so that developers can recreate that org's characteristics when generating scratch orgs.

Org Snapshots

are point-in-time copies of an existing Scratch org including installed packages, features, licenses, metadata, and data.

Metadata API

is a Salesforce API that allows you to retrieve, deploy, create, update, and manage your metadata in a Salesforce org.

Org Shapes not being in shape

Scratch Org Definition File



Using Org Shapes



Snapshots being not that “snappy”

Without Snapshot

> ✓ Create Scratch Org	44s
> ✓ Package Installation	17m 43s
> ✓ Deploy Standard Value Sets (Baseline Adjustments)	6s

With Snapshot

⌚ Prep Scratch Org Def File	0s
> ✓ Create Scratch Org	6m 32s

⌚ Prep Scratch Org Def File	0s
> ✗ Create Scratch Org	30m 2s
⌚ Package Installation	0s



Our key learnings for Scratch Org success

Enable Scratch Orgs as a self-service

To enable less technical team members to use Scratch Orgs, they need to be made more accessible.

Ensure automated test data provisioning

Teams will only be able to work efficiently with scratch orgs if test data does not have to be recreated repeatedly.

Plan enough time for team enablement

Providing your team with appropriate instructions and guidance pays off with more efficiency in the mid-term.

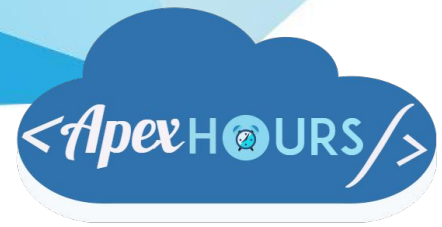


Demo

Scratch Org Self Service using GitHub Actions



you're never lonely — your pipelines, logs, and alerts always keep you company

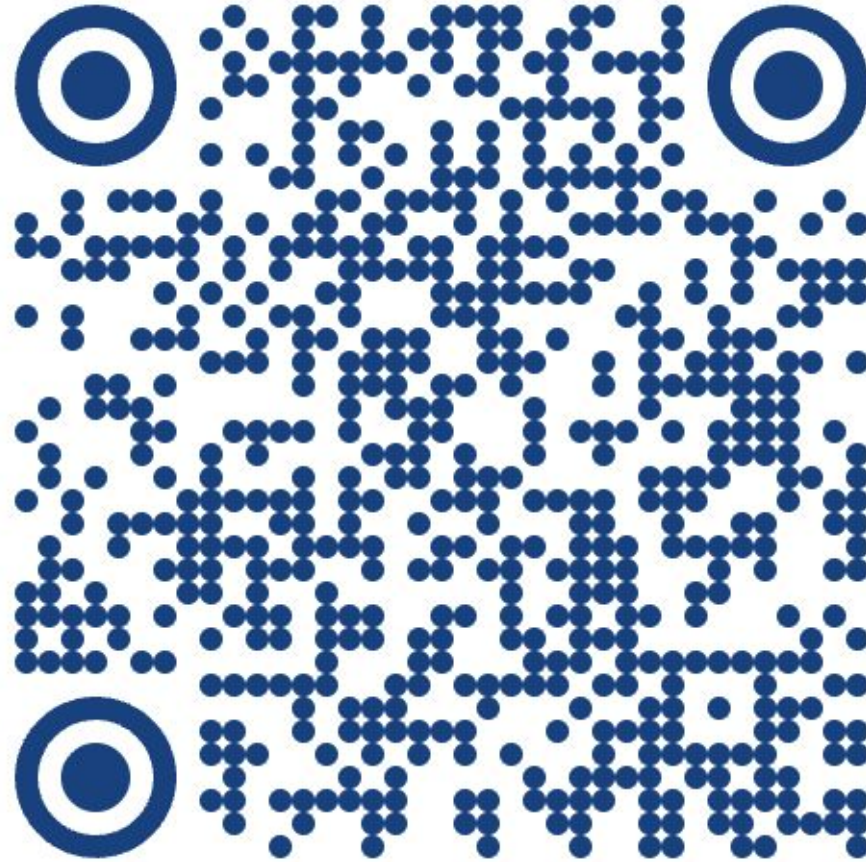
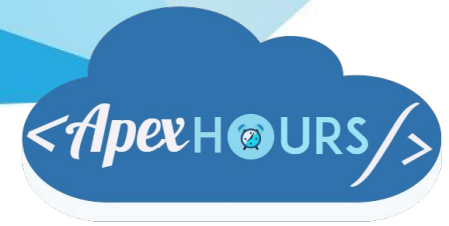


THANK
YOU

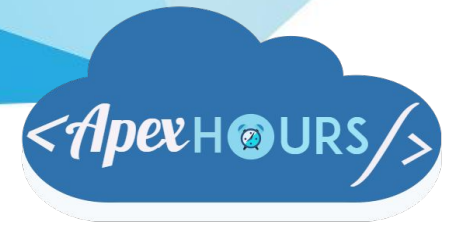


Q&A

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