

微软技术大会

Microsoft Ignite China

使用 SHAREPOINT 框架构建现代商务应用

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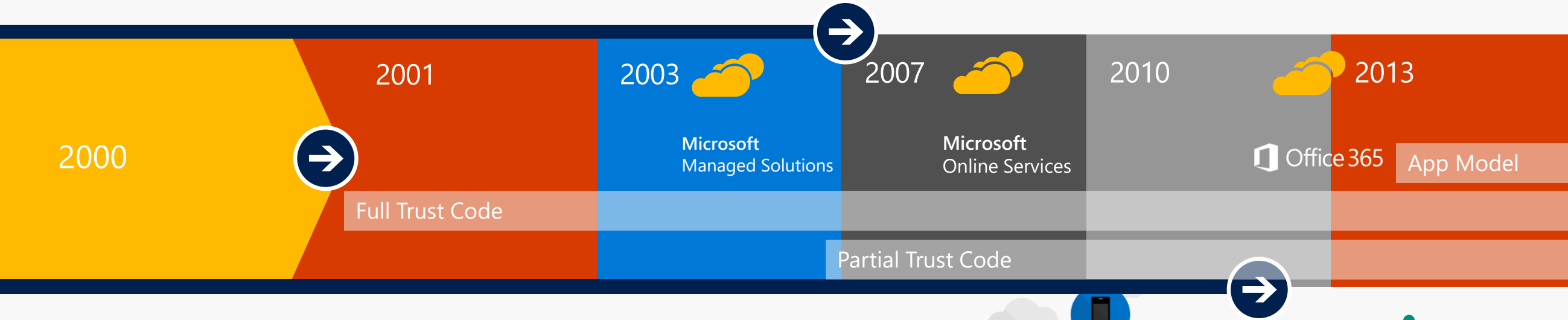
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Session Objectives

- Why we need SharePoint Framework
- What is SharePoint Framework
- How to use SharePoint Framework

Why SharePoint Framework

Accelerating web development



Sources:

1. 451 Research, Hosting and Cloud Study, 2014



Accelerating web development

2016

Custom
Presentation

Client Side and
Open Source

UX Extensions

Client Side and
Remotely Hosted

Data Access

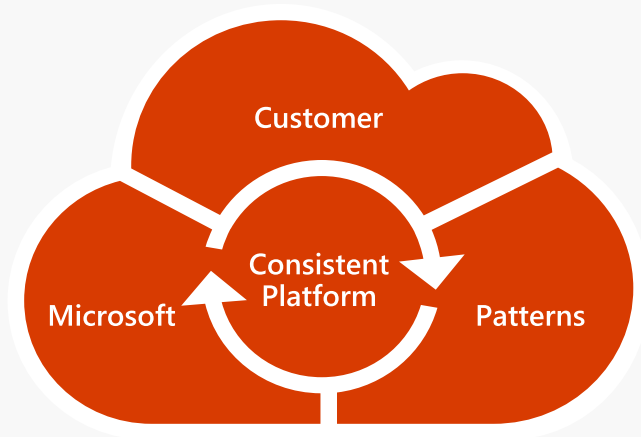
REST and Cleaner
Contracts

Eventing

Web Hooks and
Web Sockets

Solutions Host

Cloud SaaS and
Client Side Logic



Enterprise-Grade

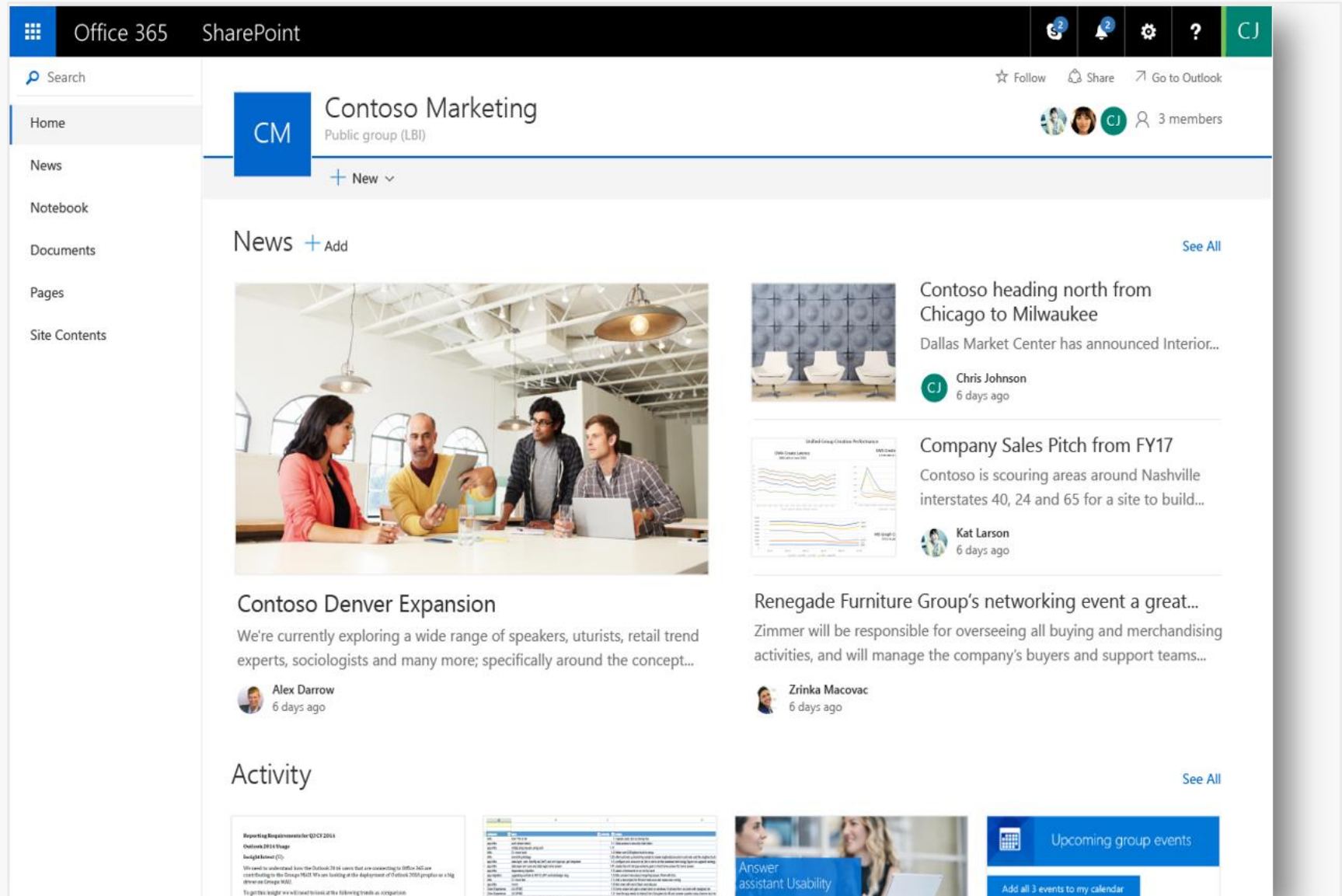
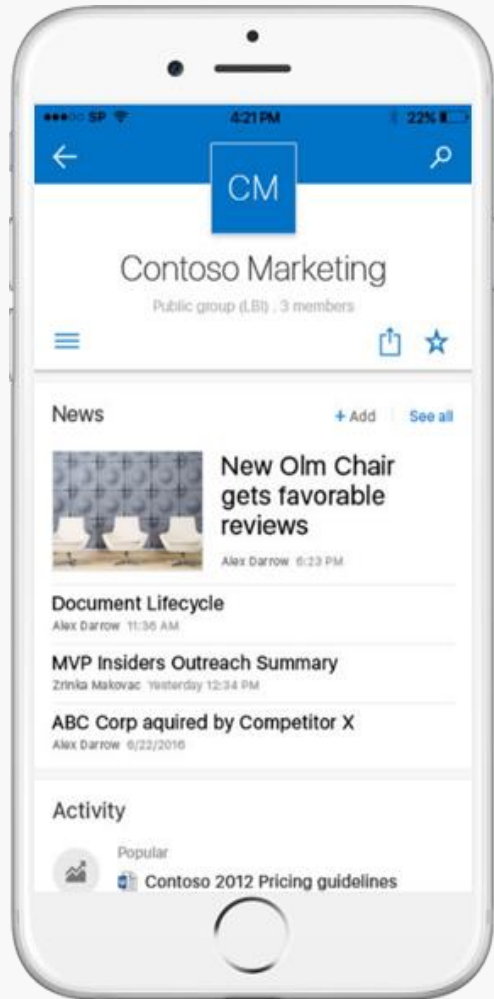


Modern Toolchain



User Focused

Mobile VS Desktop



The SharePoint Framework

- SPFx

SharePoint Framework (SPFx)

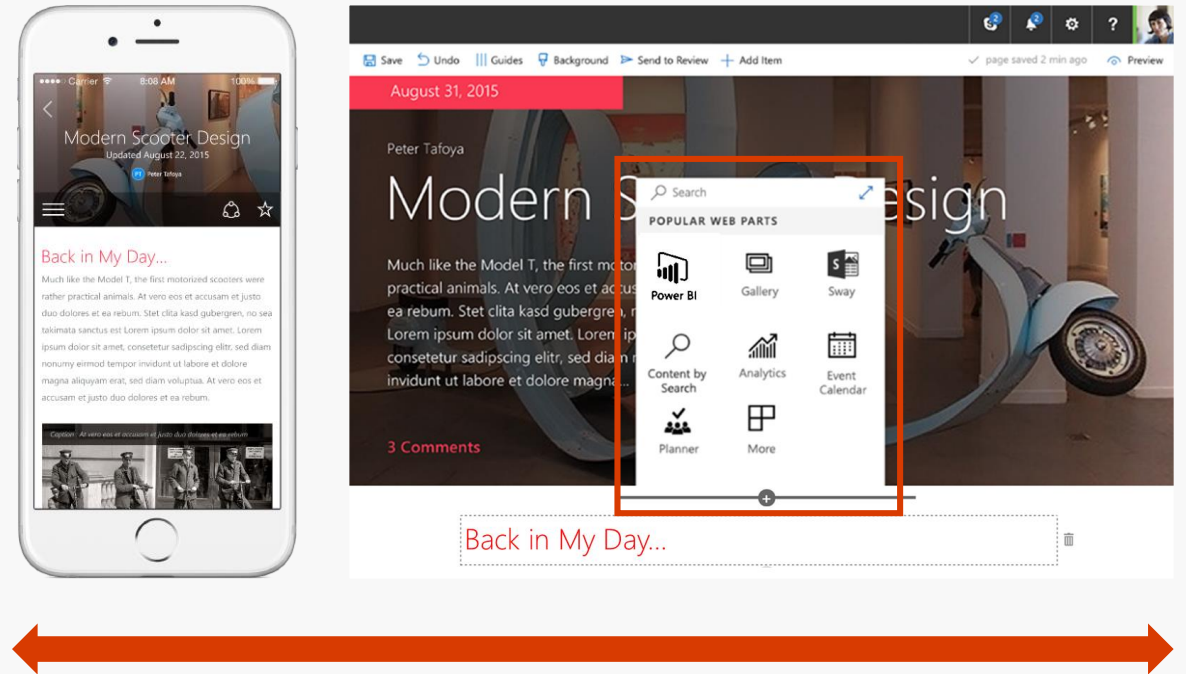
Modern client-side development

Lightweight web and mobile

Powers our own experiences

Backward compatible

Supports open source tools
and JavaScript web frameworks



SharePoint framework

Microsoft Graph

LOB Systems and Cloud Services

SharePoint Framework Components



User Experience

Client-Side Web Parts

Modern Page & Canvas

JavaScript Resource Management

Page Context & Site Data APIs



Packaging

Client-side Solutions

Tenant-Scoped Deployment



Build Process & Tooling

Yeoman Templates

Gulp-based Build Process

SharePoint Workbench

Fabric and its sub-projects

All depending on the Core, all open source



Fabric Core

Core elements of the design language including icons, colors, type, and the grid

or

Components



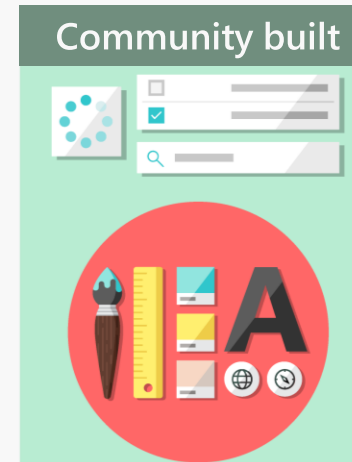
Fabric React

Robust, up-to-date components built with the React framework.



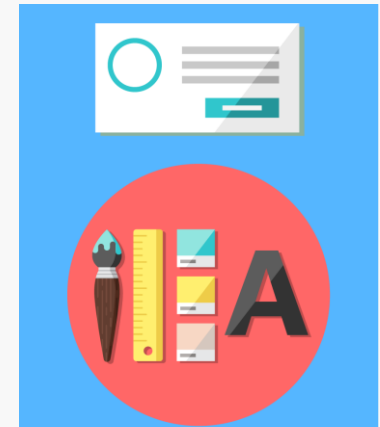
Fabric JS

Simple, visuals-focused components that you can extend, rework, and build on.



ngFabric

Community-driven project to build components for Angular-based apps.

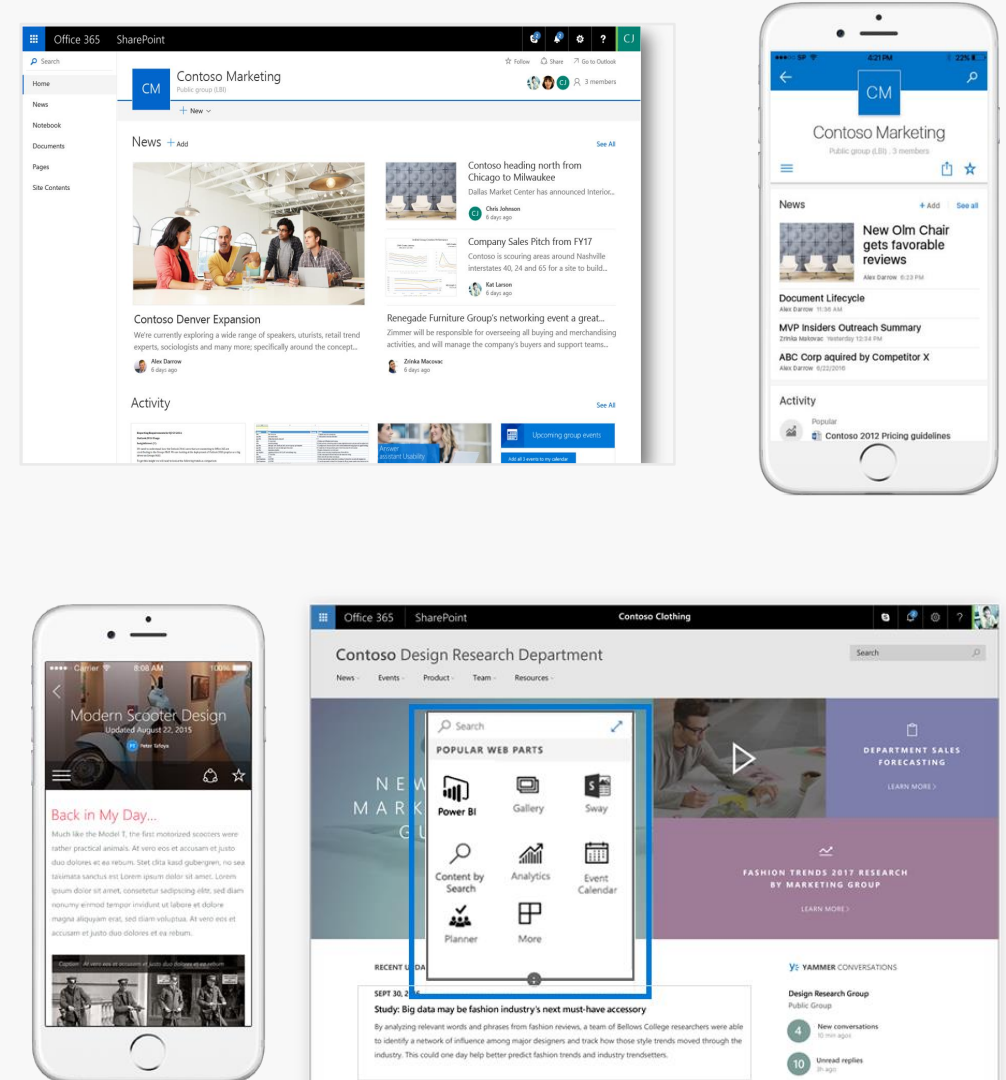


Fabric iOS

Native Swift colors, type ramp, and components for building iOS apps.

Scenarios

- Building custom Web Parts
 - Building vertical focused applications
 - Integrating with external systems
- Enhancing the out of the box experience
 - Branding custom portals
 - Building custom Intranet Portals

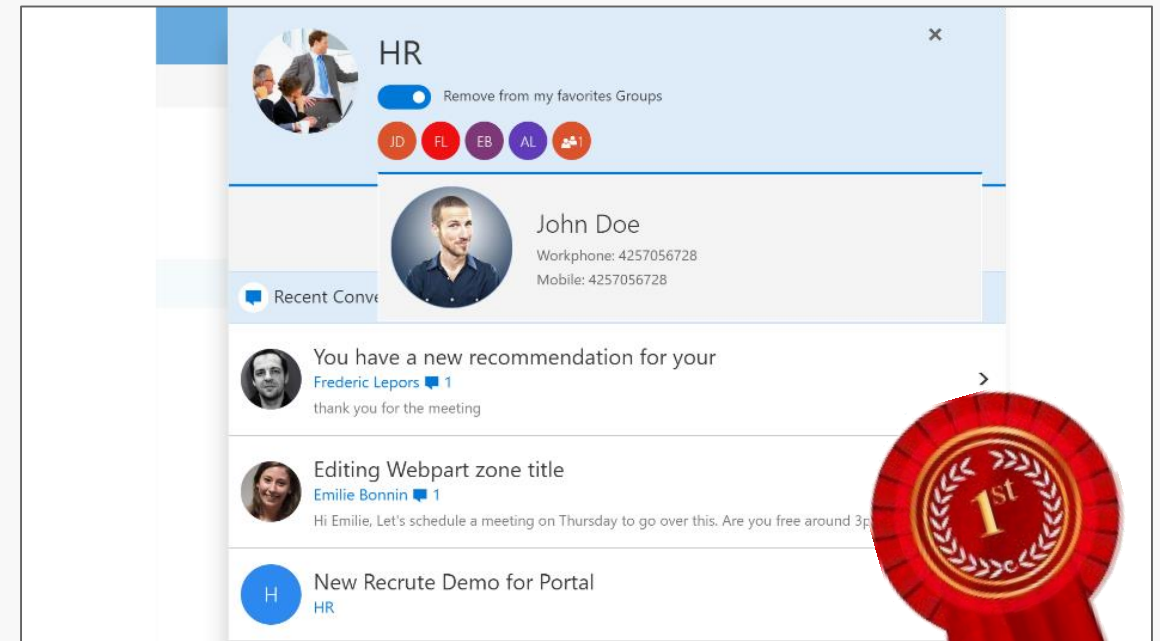
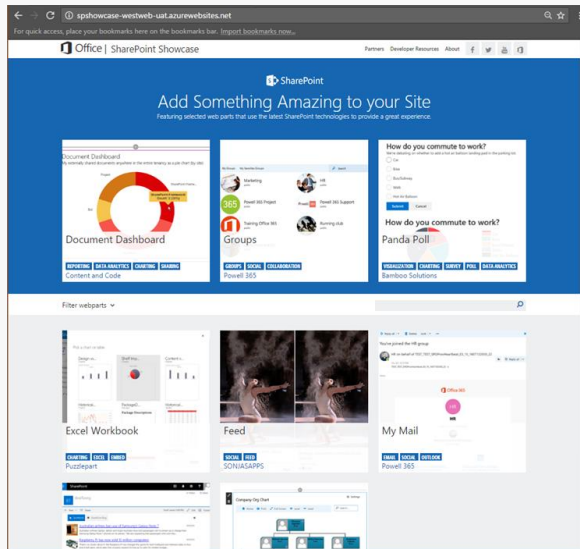


Web Part contest winner!!!



Powell 365

Connect Office Groups and SharePoint Online in order to get the best out of each program. It provides seamless access to your Office Groups from within a SharePoint page.



Video Demo

Office 365

SharePoint

Search

Home

Notebook

Documents

Assets

Pages

Site Contents

Recycle bin

Edit links

Online Marketing

Public group

New

Share

Published 9/27/2016


Edit

Advances in cloud, mobile and social technologies have forever changed the way we interact in the workplace. Employees today collaborate more than ever before, using new technologies to work in teams, across geographies and in real time. Learn about Microsoft's vision for modern collaboration and how Office 365 covers the spectrum of collaboration needs ranging from communication, documents, teamwork and company engagement, all built on a secure intelligent fabric based on Office 365 Groups, Office Graph and Trust.

My Groups


My Favorite Groups

Search




Online Marketing

public




IT Support

public




Finance and Accounting

public




Senior Leadership Team

public




Human Resources

public




Product Launch

public




Support Task Force

public




Operations and Facilities

public



Product Marketing

public



Sales Leadership

public

Following

Group conversations

13 members

Feedback

Ask me anything

11:05 AM 11/24/2016

How to use SharePoint Framework

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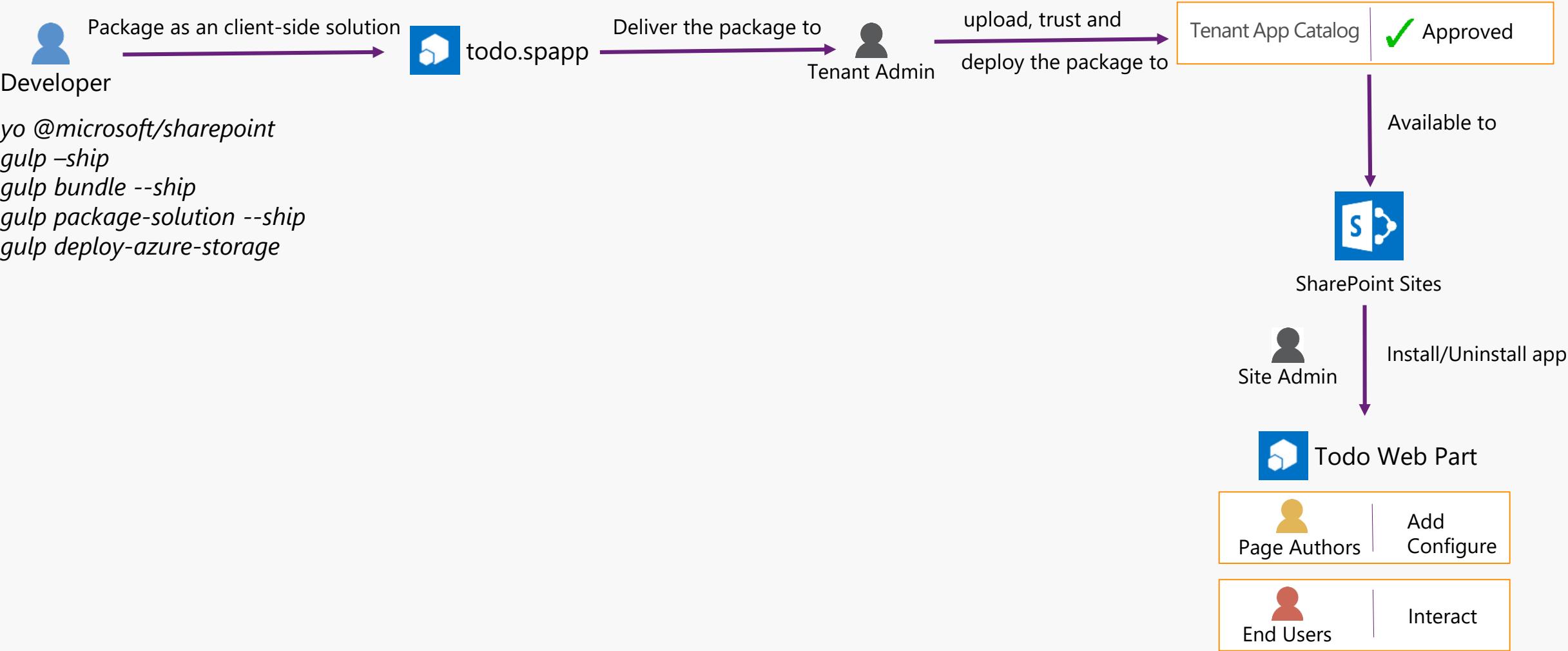
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Demo

Web Part Deployment

Web Part Deployment Flow



SPFx developer experience



Install
SharePoint
Generator



Yeoman
SharePoint
web part

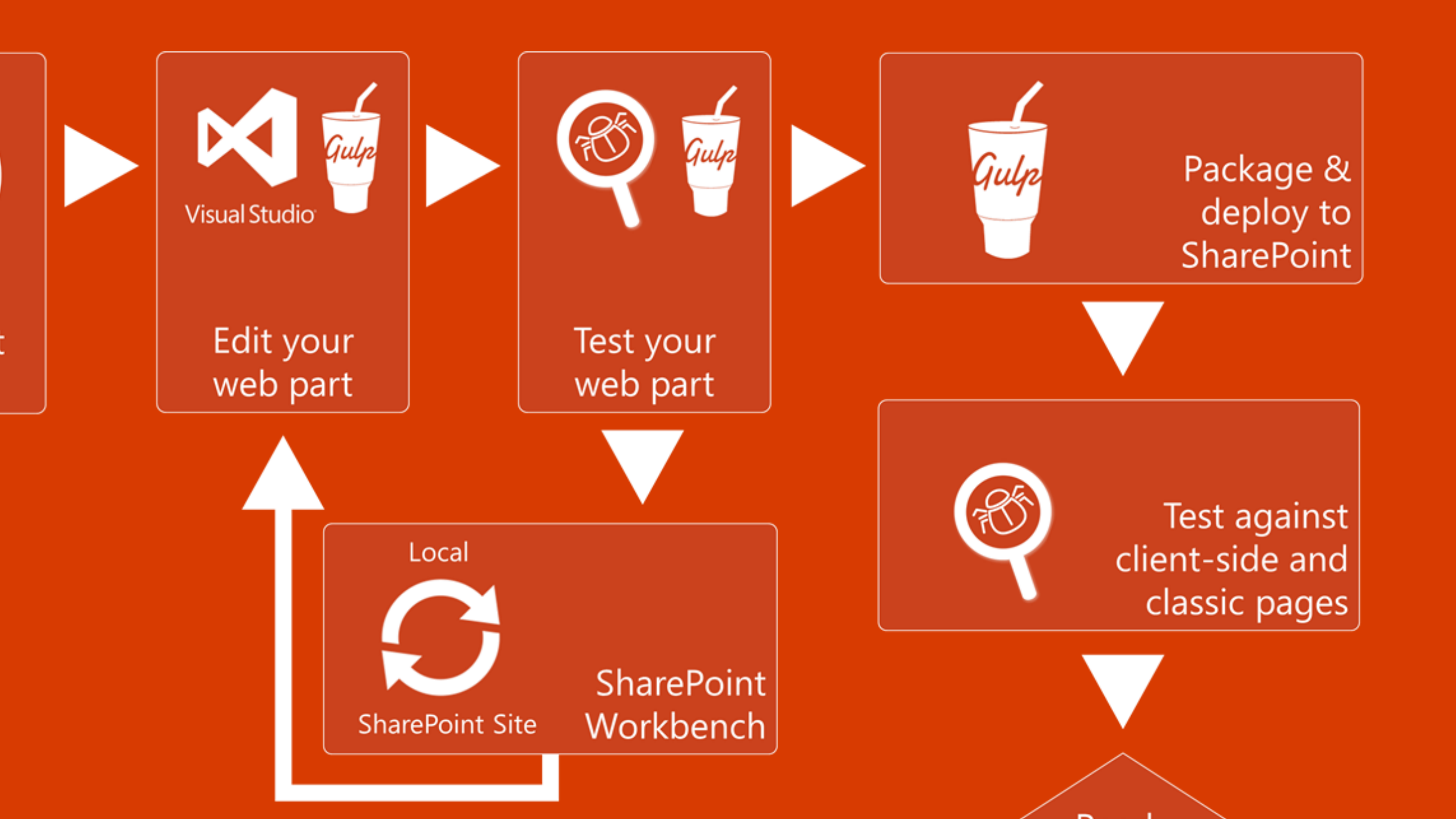


Visual Studio®

Edit your
web part



Local



TypeScript
node JS™

Ready
to Ship?



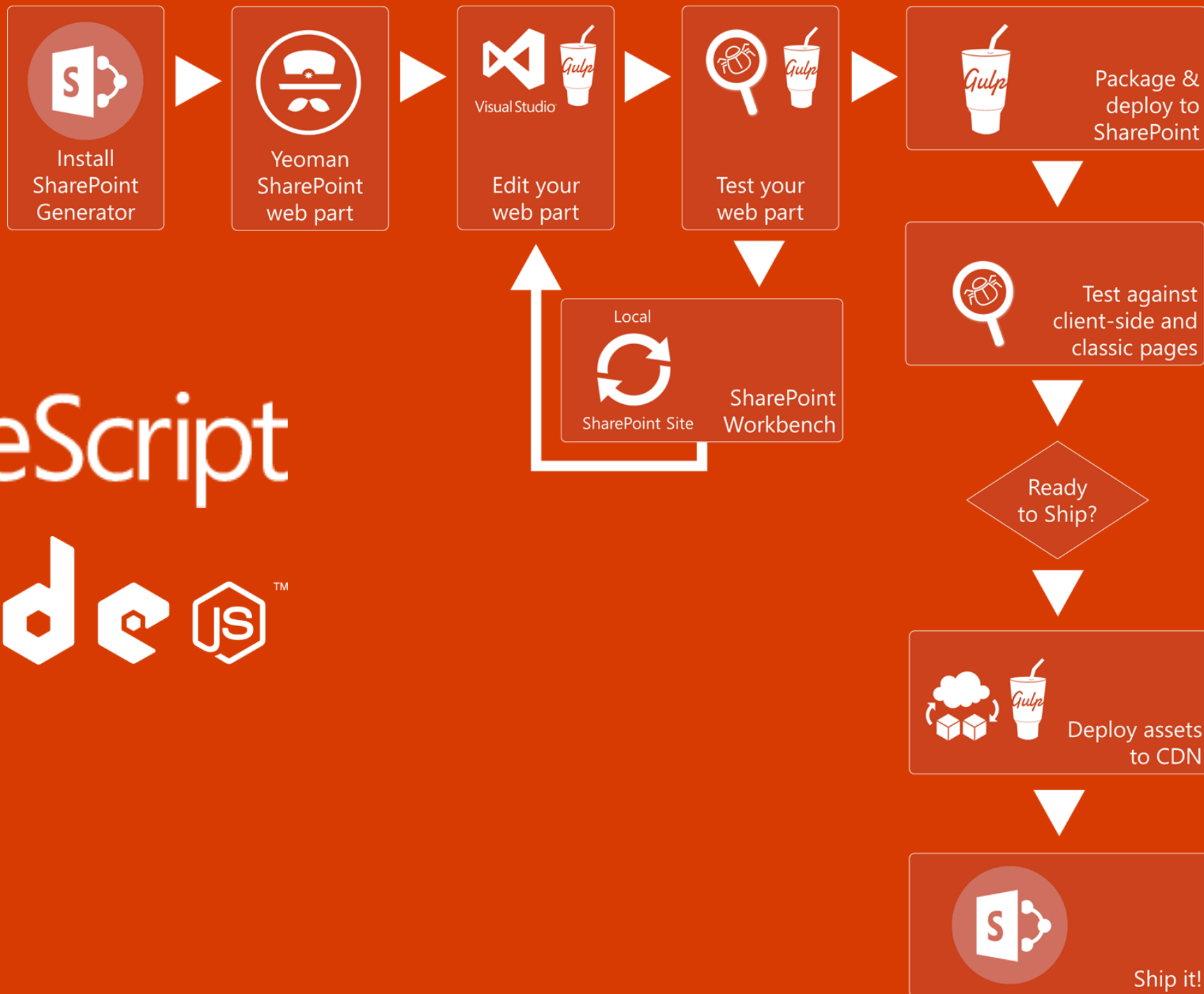
Deploy assets
to CDN



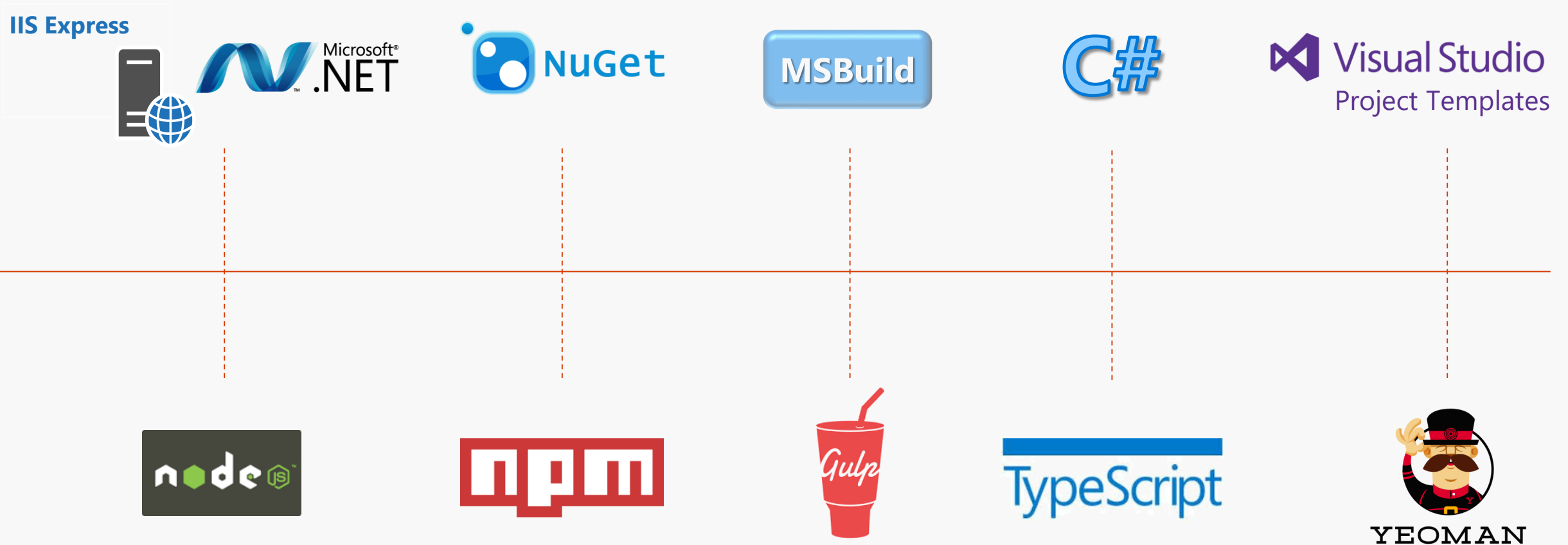
Ship it!

TypeScript

node JS™



Server side tool comparison



Resources

SharePoint Framework in GitHub

- SharePoint organization will contain all new SharePoint Framework topics
 - <http://github.com/sharepoint>
- Documentation available for contributions in GitHub
- We already accept samples around SharePoint Framework Client-Side web parts
- Numerous existing samples available for you to get started



<https://github.com/SharePoint/sp-dev-docs>

<https://github.com/SharePoint/sp-dev-fx-webparts>

<https://github.com/SharePoint/sp-dev-samples>



Sharing is caring...

Code samples
Reusable components and solutions
Guidance documentation
Monthly community calls
Case Studies

SharePoint Framework
SharePoint add-ins
Microsoft Graph, Office 365 APIs etc.
Remote provisioning and client side development

<http://aka.ms/SharePointPnP>

BLUE METEORITE **VOLVO**

