



ArcGIS Pro SDK for .NET – Getting Started

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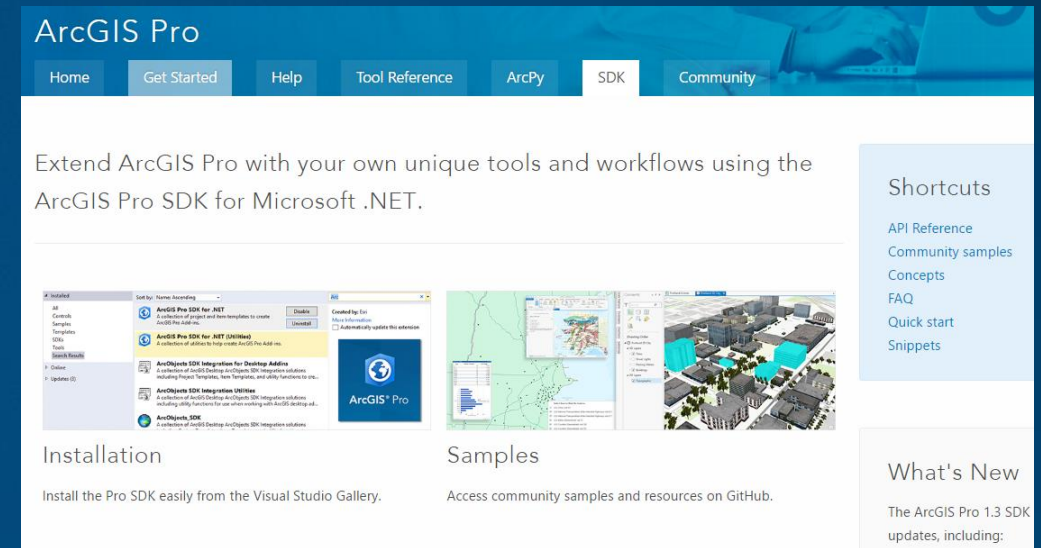
ArcGIS Pro SDK

for Microsoft .NET



Agenda

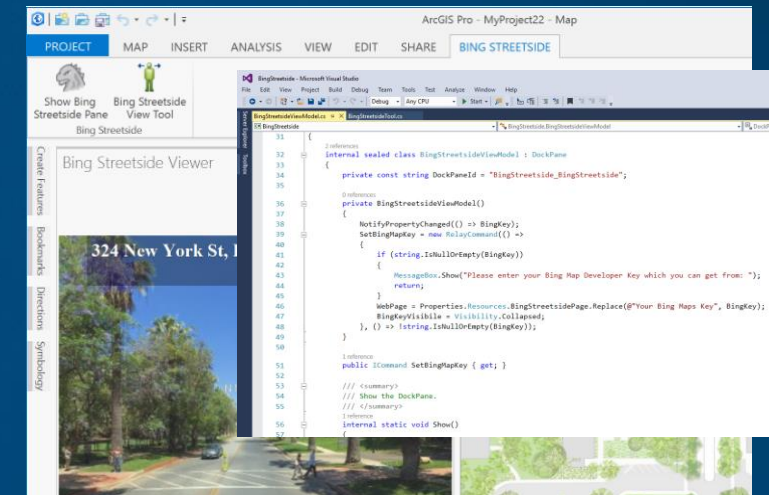
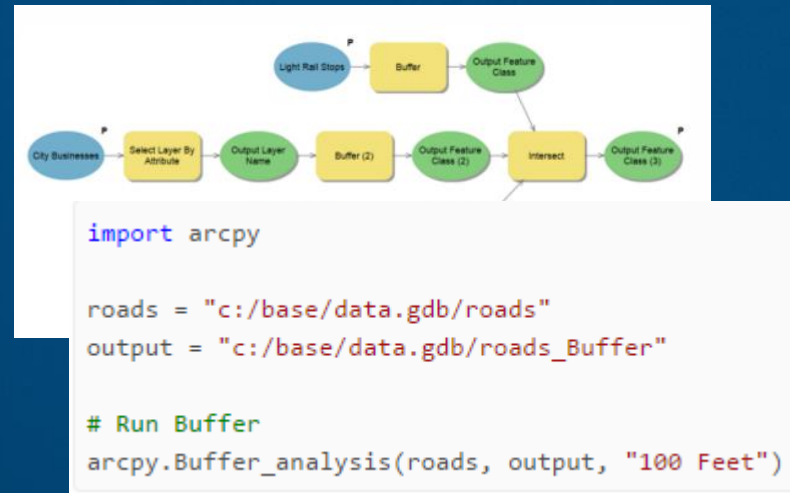
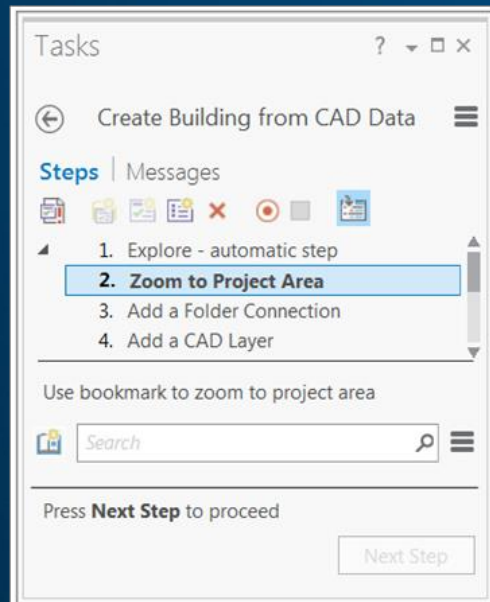
- Introduction – 5 minutes
- Demos – 15 minutes
 - *Building your first add-in*
 - *Creating a feature construction tool*
 - *Walking through online resources*
- Q&A and wrap-up – 5 minutes
- After: Building Configurations



Extending ArcGIS Pro

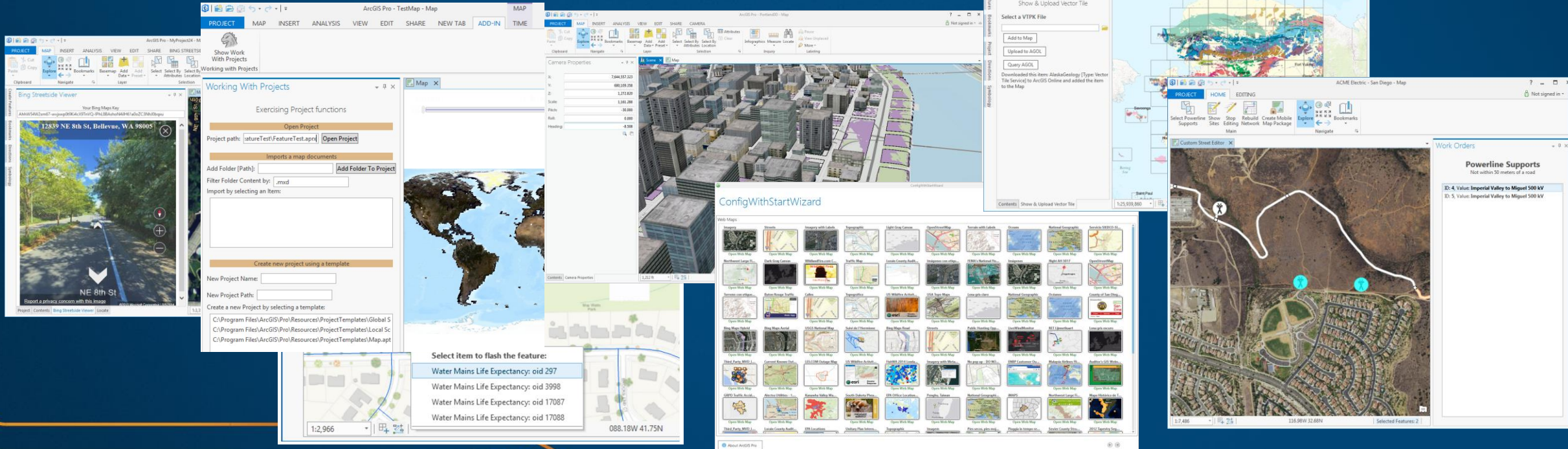
Options:

- **Configure** UI through settings and workflow through tasks
- **Automate** using geoprocessing and Python
- **Extend** with the Pro SDK



ArcGIS Pro SDK for Microsoft .NET

- Provides the ability to customize ArcGIS Pro
- Customize the Pro UI / UX with add-ins and configurations
- Microsoft .NET – develop in Visual Studio 2013 or 2015
- WPF, XAML, MVVM, LINQ, TAP and more



Many Pro SDK Resources

- [SDK home page](#) – main resource page
- [Esri Training](#) – instructor-led Esri training course
- [SDK Wiki on GitHub](#) – primary documentation site with concept and guide docs, and much more
- [Community Samples](#) – ready to use code solutions categorized by functional area
- [SDK Snippets](#) – code snippets by functional area
- [GeoNet Pro SDK Group](#) – developer community
- [API Reference](#) – full API reference
- [FAQ](#) – answers to common questions
- [SDK blog posts](#) – focused on the Pro SDK

ArcGIS Pro

The screenshot shows the ArcGIS Pro SDK website. At the top is a navigation bar with links: Home, Get Started, Help, Tool Reference, ArcPy, SDK, and Community. The main heading reads "Extend ArcGIS Pro with your own unique tools and workflows using the ArcGIS Pro SDK for Microsoft .NET." Below this, there are sections for "Installation", "Samples", and "What's New". A "Shortcuts" sidebar on the right lists: API Reference, Community samples, Concepts, FAQ, Quick start, and Snippets. The "Samples" section includes the text "Access community samples and resources on GitHub."

This block contains three overlapping screenshots. The top-left screenshot shows the GitHub repository for "Esri / arcgis-pro-sdk", displaying the "Code" tab, 34 commits, and a sidebar with a file tree including folders like CoreHost, DataReviewer, Editing, Framework, Geodatabase, Geometry, Geoprocessing, Layouts, Map-Authoring, Map-Exploration, Sharing, TaskAssistant, and Workflow. The top-right screenshot is a presentation slide titled "Extending ArcGIS Pro with Add-Ins" with a sub-header "Instructor-Led" and a timer showing "3 Days (24 Hours)". The bottom-right screenshot shows the "GeoNet The Esri Community" page for the "ArcGIS Pro SDK" group, featuring a navigation bar, a list of tabs (Overview, Activity, Content, People, Projects, Calendar), a login prompt, and a "Recent Activity" section with a post from user "vikrant327".

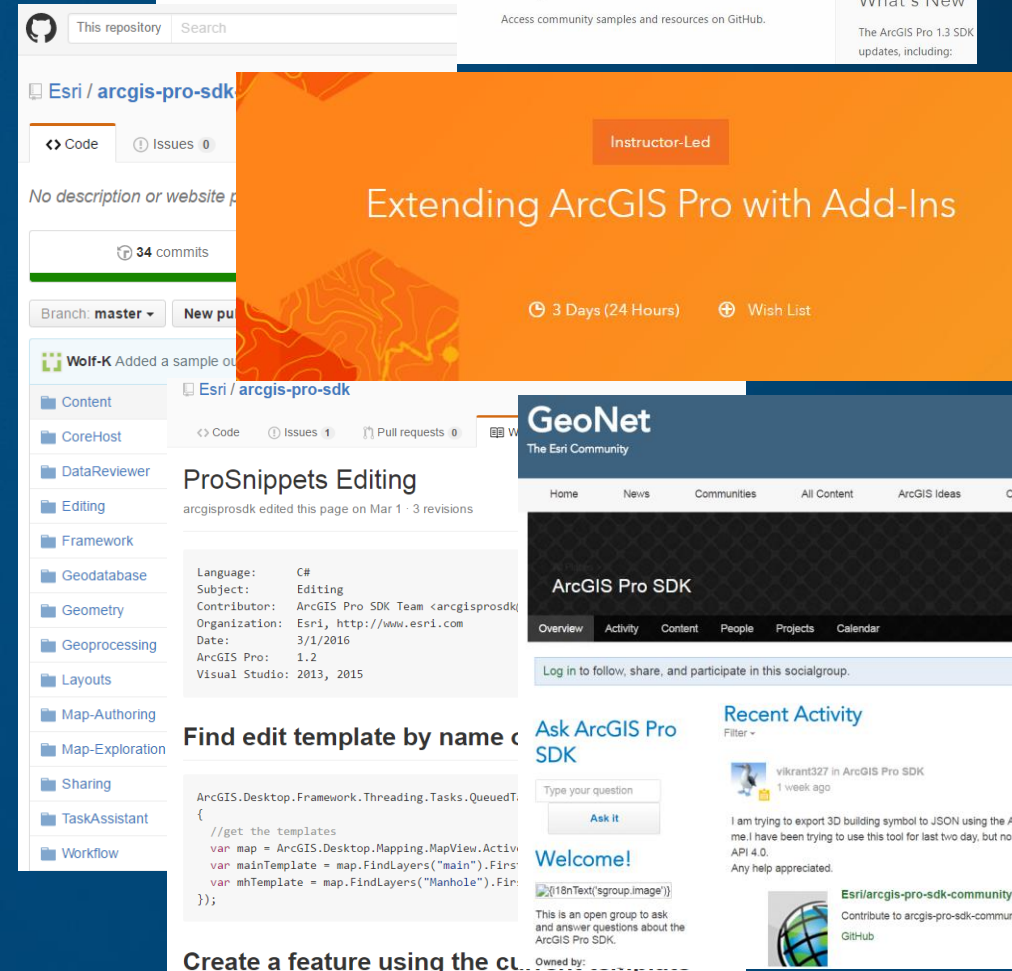
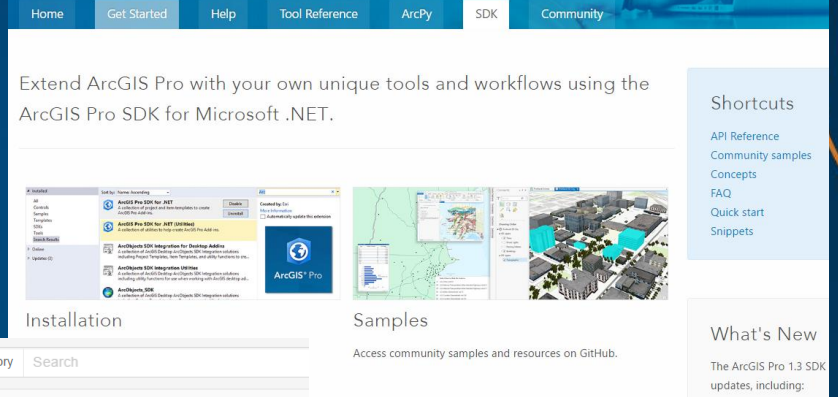
Demonstrations:

- *Building your first add-in*
- *Creating a feature construction tool*
- *Walking through online resources*

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ArcGIS Pro




Pro SDK Training


- Extending ArcGIS Pro with Add-Ins – Esri Instructor-led training course on the Pro SDK
- Great way to get a comprehensive introduction
- [Esri.com/training](https://esri.com/training)
- Still seats available: **April 3 - 5**




Goals




Develop, test, and deploy ArcGIS Pro SDK customizations using the add-in extensibility framework.



Customize the ArcGIS Pro ribbon and apply key programming patterns.



Create custom tools to interact with maps and scenes and select or edit geodatabase features.



Create dock panes and other controls to work with projects, portals, items, views, layers, symbols, and renderers.

[Download Course Topics](#)

Upcoming Classes [Get Assistance](#)

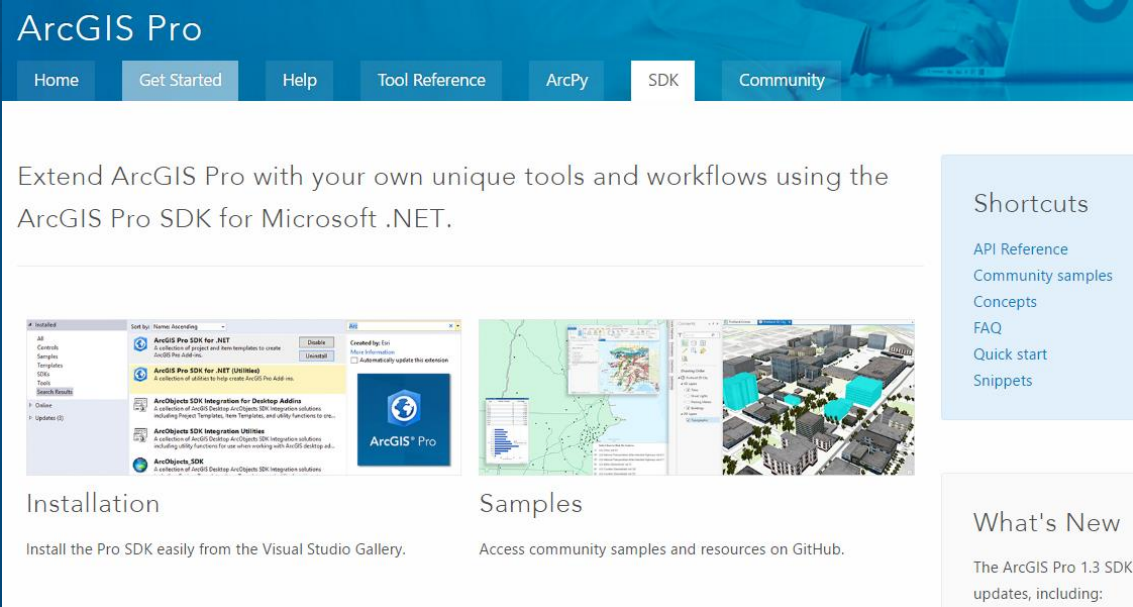
Date & Time	Location	
April 3 - 5, 2017 8:30 AM - 5:00 PM Central Daylight Time	Online	Register
May 1 - 3, 2017 8:30 AM - 5:00 PM Mountain Daylight Time	Online	Register
June 5 - 7, 2017 8:30 AM - 5:00 PM Pacific Daylight Time	Online	Register

Suggested Skills **Software**

C# or Visual Basic.NET programming skills and completion of *ArcGIS Pro: Essential Workflows* or equivalent knowledge are required.

For Questions and Follow-up

- Come by the ArcGIS Pro Island SDK area in the Showcase
- SDK tab on the ArcGIS Pro main page:
 - pro.arcgis.com
- Pro SDK feedback – czent@esri.com



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esri

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