

ArcGIS for Windows Phone

Nathan Bennett explains how to leverage your existing GIS services directly from your Windows Phone 7 device.

<http://video.esri.com/watch/901/arcgis-for-windows-phone>

Video Transcription

00:05 Hi. I'm Nathan.

00:07 ArcGIS for Windows Phone extends the reach of your GIS from the office to Windows Phone 7 devices.

00:13 It includes a free application available for download from the Zune Marketplace...

00:17 ...and enables you to discover maps published on ArcGIS Online and ArcGIS Server.

00:23 ArcGIS for Windows Phone is part of the ArcGIS system and is a great way to find and use maps, to collect information...

00:30 ...and to leverage your existing GIS services.

00:33 Let's take a look.

00:35 So this is the ArcGIS for Windows Phone application.

00:40 And we can find content by browsing ArcGIS galleries or by searching for keywords.

00:50 So the maps can come from ArcGIS Online or from your own published map services.

00:56 You can find a combination of basemaps and operational layers, and the maps for Windows Phone 7 aren't any sort of special map.

01:04 They're the...the maps that you're publishing now.

01:08 So let's search from some of Esri's content.

01:14 Here we can see all the Esri-related maps and groups.

01:20 Now I've heard a lot about this National Maps for the USA group.

01:24 By clicking this arrow, we can see its description and then check out all of its members.

01:34 So this group has a lot of great content that's been shared with the public.

01:38 The USA weather warnings map looks interesting, and its details indicate that it's got some content from NOAA.

01:44 So let's check out this map.

01:55 When the map opens, we can see weather warnings across the US.

01:58 We can navigate to an area of interest, tap on the map, and see that this is a gale warning.

02:09 We can see when it was issued and when it will expire.

02:13 Let's take a look at a different map and see how ArcGIS for Windows Phone...

02:17 ...can enable you to collect information directly into your GIS.

02:30 So back in the galleries, take a look at the collection samples.

02:36 Now these samples were published to demonstrate the capabilities of GIS and GPS data collection...

02:45 ...leveraging the new features services in ArcGIS.

02:48 The ArcGIS system enables you to create feature collection templates that can be published as feature services...

02:55 ...and consumed in web and mobile applications.

03:01 Let's take a look at the civic events map.

03:12 The civic events map includes a data collection template that can be used to record...

03:16 ...civic events that are happening within the community.

03:20 Any time you add a map with a feature service, you'll get the new Add new feature menu item.

03:27 Here we can see all the type of events that have been published in this template.

03:31 Let's choose a movie night, and here we're presented with a form that we can use to fill out some attributes...

03:38 ...like supply a name or change the date.

03:45 Then we can go ahead and collect the location.

03:48 We can do this by either using the device's GPS or by tapping on the map.

03:58 With ArcGIS for Windows Phone, it's that easy to collect information directly into your GIS.

04:05 So far, we have taken a look at what's possible with the ready-to-use ArcGIS for Windows Phone application.

04:11 Using the ArcGIS API for Windows Phone, developers can build focused applications that meet a variety of workflows...

04:18 ...and can be deployed within an enterprise or publicly via the marketplace.

04:22 Let's take a look at an example.

04:25 This application, Health Care Finder, enables users to find licensed health care facilities in their area.

04:35 Licensed health care facility points are made available by the California Office of Statewide Health Planning and Development...

04:41 ...in the California Department of Health Services.

04:43 This information has been published as an ArcGIS map service that we can consume in the phone.

04:51 So we'll start by defining our location, and we can use either our device's GPS or by searching for an address.

05:01 So once we have our location, we can find all the health care facilities that are within a 10-minute drive.

05:10 We can do this by leveraging a published ArcGIS geoprocessing service.

05:21 So here we see the drive-time area and all the facilities.

05:25 We can filter the facilities by specialty like surgical clinic.

05:36 We can tap on the facility to see its category and drill into its description to see its name, its address; you could give them a call...

05:52 ...or route there from our current location.

06:08 ArcGIS for Windows Phone extends your GIS to a wider audience.

06:12 To get started, download the app from the Zune Marketplace and visit the Esri Resource Center to download the API...

06:18 ...and begin building custom applications. Thank you.