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## ArcGIS Viewer for Microsoft Silverlight with Site Builder

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# Outline

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- **Product overview**
- **Configurable viewer**
- **Application builder**
- **Extensibility kits**
- **Summary**

# ArcGIS 10 — A Complete System

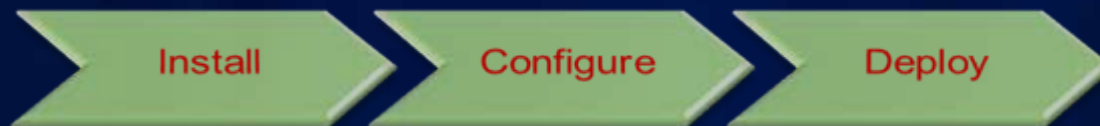
**Easier  
More Powerful  
and Everywhere**



# ArcGIS Viewer for Microsoft Silverlight



- Configurable *ready-to-deploy* Web client
  - Built with ArcGIS API for Silverlight 2.2
- **Easily and quickly** create and implement GIS Web mapping applications



- Complete set of core GIS tools and functionality
- **No programming or editing configuration files**
  - Ideal for novice Web application creators

# Viewer overview

- Web browser-based application
- Consists of 3 components:
  1. **Configurable Viewer**
  2. **Application Builder**
  3. **Extensibility Kits**
- Leverages ArcGIS Server 10 functionality
- Supports ArcGIS.com Web Maps
- Application hosted on-premise



# Configurable Viewer

- Ready-to-deploy Web mapping application





# Application Builder

- Interactively create Web apps → **WYSIWYG** experience
  - Map content
  - Tools
  - Look and feel



- Deploy configured Viewer applications



## Demo: Explore Application Builder

```
function onInfo() {  
    var map = new esri.Map("map");  
    var tiledMapServiceLayer = new  
        esri.layers.ArcGISDynamicMapServiceLayer("http://services.esri.com/arcgis/rest/services/ESRI_Logo/MapServer");  
    map.addLayer(tiledMapServiceLayer);  
    map.setBasemap(tiledMapServiceLayer);  
    function getDriverInfo() {  
        var features = resultInfo;  
        for (var f=0; f<features.length; f++) {  
            var feature = features[f];  
            if (feature.attributes["driver"] != " ") {  
                var polySymbol = new esri.PolySymbol({color: "#FF0000", style: "solid", width: 2});  
                var pointSymbol = new esri.PointSymbol({color: "#0000FF", style: "solid", width: 2});  
                dojo.Color("red", polySymbol.getColor());  
                dojo.Color("blue", pointSymbol.getColor());  
                feature.set("color", polySymbol.getColor());  
                feature.set("point_color", pointSymbol.getColor());  
            }  
            else {  
                feature.set("color", "#000000");  
                feature.set("point_color", "#000000");  
            }  
            new dojo.Color(polySymbol.getColor());  
            new dojo.Color(pointSymbol.getColor());  
        }  
    }  
    getDriverInfo();  
}
```



# Application Builder workflow



**1** New map or Web Map



**2** Configure:  
•Data content  
•Functionality  
•Look & feel



**3** Deploy Application



Non-linear  
workflow

# Viewer Application Builder

- **Configure custom Web applications**
  - Set properties to meet business requirements
  - Flexible workflow
- **Easy to deploy**
- **Modify an existing published site**
  - Make configuration changes with Builder
- **Optional “*Getting started mode*”**
- **Builder can be extended with “add-ins”**



# Extensibility Kits



- Viewer functionality defined by “add-ins”
  - “**Add-ins**” → modular code
- Developers can create custom “add-ins”
  - Requires ArcGIS API for Silverlight 2.2
- Viewer capabilities can be extended:
  1. **Tools** → custom functions
  2. **Behaviors** → custom non UI logic
  3. **Layouts** → custom application “look and feel”
  4. **Layers** → custom data layer types

# Viewer Functional Highlights

- **Application builder – interactive WYSIWYG UE**
  - No programming or configuration file editing
- **Flexible configuration workflow**
- **Configurable Geoprocessing (GP) Tool**
- **Multiple layout options**
- **Web applications are editable after deployment**
- **Extensibility kits**

# Community Tech Preview feedback

- *“Thank you for this great product. Our first impressions are very positive: flexible configuration of target application, a lot of preconfigured tools, possibility of extensibility ... great job!”*
- *“The geoprocessing service support is awesome. Nice and extremely powerful to be able to add any GP service and not worry about the GUI.”*
- *“Overall, we are all amazed by the intensive functionalities and high quality.”*



# Summary



- Configurable *ready-to-deploy* Web client
  - Complete set of core GIS tools and functionality
- Interactively create Web apps → **WYSIWYG experience**, easy to deploy
- **No programming or editing configuration files**
  - Ideal for novice Web application creators
- Can be extended via “add-ins”
  - Development with ArcGIS API for Silverlight 2.2
- Participate in Public Beta: **Esri Beta Community**
  - <http://beta.esri.com/community/>



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