

Application: **Permit Status – HTML5**
Version: **1.1**
Document: **Readme**
Date: **July 29, 2013**
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Description

The Permit Status template is an HTML5 application and configuration of ArcGIS Server that provides permit status information to the general public and other interested parties. It offers a map-based view of permit status that allows users to locate an address, location or permit and review permits that are presented in an information popup.

Package Contents

PermitStatus: Folder containing web application and configuration file

Readme.pdf : Deployment and configuration guide

Minimum System Requirements

? *Application Web Server*

- o P-IV with 1 GB RAM and 40 GB Hard Disk
- o IIS 5.0 or higher
- o Win 2K Server or above

? *GIS Server*

- o P-IV with 1 GB RAM and 40 GB Hard Disk
- o IIS 5.0 or higher
- o ArcGIS Desktop 10, ArcGIS Server 10 and ArcSDE 10
- o .NET framework 3.5 with Service Pack 1

? *Network Requirements*

- o LAN connectivity
- o Broadband internet connection

? *Client Requirements*

- o Web browser with JavaScript enabled

? *Screen Resolution*

- o 1024 x 768 high color, 32-bit or higher

Configuration

You can configure the Permit Status Template in your environment. To complete the configuration, you will need experience with Microsoft's Internet Information Server (IIS). If you are new to JavaScript Viewers, this template will demonstrate a pattern you can use to deploy your own HTML5 application.

1. Copy the "Permit Status" directory onto your web server so that it can be accessed as a website or virtual directory.
Example: Copy the "Permit Status" directory under C:\Inetpub\wwwroot for Microsoft IIS web servers.
2. This application uses a proxy file provided by ESRI. The proxy file is available in three different languages (ASP.NET, PHP and JSP). Current application uses ASP.NET proxy file. If you wish to use a different proxy file please click [here](#). For ASP.NET proxy file, change the REST end point to the ArcGIS REST service URL in the proxy.config file.
3. Go to IIS, right-click on the parent directory of the copied files, select "Convert To Application" and set the application pool to ASP.NET v4.0.

Note: If you want to use a different version of ASP.NET, please follow the steps below.

1. Open the source folder as a website in Visual Studio
2. Right-click on website, go to properties and change the .NET target framework to desired version
3. Publish the website
4. The "Permit Status" directory contains config.js which is the main configuration file. To modify any configuration values, open config.js file using a text editor like Notepad. Make necessary changes to the JSON objects. See the "Description of Configuration Tags" section below for more information.
5. Test the application in a browser by entering the URL to the default.htm page.
Example: `http://<server>/PermitStatus/default.htm`
Substitute "<server>" with name of your server. Please note: "default.htm" may not be defined as a default document on your web server.

Description of Configuration Tags (config.js)

ApplicationName: Set application title

ApplicationName: "Permit Status",

ApplicationIcon: Set application icon path

ApplicationIcon: "images/logo.png",

ApplicationFavicon: Set application Favicon path

ApplicationFavicon: "images/favicon.ico",

SplashScreen: Set splash window content –

- Message: Message that appears when the application starts
- isVisible: Control flag to display/hide splash screen

SplashScreen: {

Message: "Lorem ipsum dolor sit er elit lamet, consectetur cillum adipisicing pecu, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum. Nam liber te conscient to factor tum poen legum odioque civiuda.",

isVisible: true

},

HelpURL: Set URL of help page/portal

HelpURL: "help.htm",

BaseMapLayers: Set baseMap layers

Please note: All base maps need to use the same spatial reference. By default, on application start the first basemap will be loaded

Key: Key for every map. This has to be unique in this collection

MapURL: URL of the Map layer

BaseMapLayers: [{

Key: "imageryMap",

ThumbnailSource: "images/imagery.png",

Name: "Imagery Map",

MapURL: "http://services.arcgisonline.com/ArcGIS/rest/services/World_Imagery/MapServer"

}, {

Key: "streetMap",

ThumbnailSource: "images/streets.png",

Name: "Street Map",

MapURL: "http://server.arcgisonline.com/ArcGIS/rest/services/World_Street_Map/MapServer"

}},

DefaultExtent: Initial map extent. Use comma (,) to separate values and don't delete the last comma

DefaultExtent: "-10181248, 2823548, -8510640, 3646622",

WebMapId: if using WebMap, specify WebMapID within quotes, otherwise leave this empty and configure operational layers

WebMapId: "03793c9b4c724e11bffe314c01e94aa9",

PermitResultData: Configure operational layers

- Title: Unique value for all the layers. It should be same as the webmap.
- ServiceURL: URL of the layer.
- LoadAsServiceType: Field to specify if the operational layers should be added as dynamic map service layer or feature layer or tiled map service layer. Supported service types are 'dynamic', 'feature', 'tiled' only.
- ListDisplayText: Text to be displayed in the InfoWindow when there are multiple permits at a particular point.
- ListFieldName: Attribute to be displayed in the InfoWindow when there are multiple permits at a particular point.
- SearchDisplayField: Attribute that will be displayed when user searches for a particular permit.
- SearchQuery: Query based on which the operational layers will be searched.
- InfoWindowHeader : Title text / fields for info window.
- InfoWindowContent: Content text / fields for info window.
- InfoWindowData: Info-popup is a popup dialog that gets displayed on selecting a feature
 - DisplayText: Field used for displaying the Text instead of alias names.
 - FieldName: Field used for getting the details of the particular service feature.

```
PermitResultData: [{
  Title: "State Permit",
  ServiceURL: "http://50.18.115.76:6080/arcgis/rest/services/StatePermit/MapServer/1",
  LoadAsServiceType: "dynamic",
  ListDisplayText: "Permit Number",
  ListFieldName: "${PermitNumber}",
  SearchDisplayField: "${PermitNumber} / ${PROJ_NAME} / ${Type}",
  SearchQuery: "UPPER(PermitNumber) LIKE '${0}%' OR UPPER(PROJ_NAME) LIKE '${0}%' OR
UPPER(SITE_NAME) LIKE '${0}%' OR UPPER(Type) LIKE '${0}%",
  InfoWindowHeader: "${PROJ_NAME}",
  InfoWindowContent: "${PermitNumber}",
  InfoWindowData: [{
    DisplayText: "Prog Area:",
    FieldName: "${PROG_AREA}"
  }, {
    DisplayText: "Permit Number:",
    FieldName: "${PermitNumber}"
  }, {
    DisplayText: "Project No:",
    FieldName: "${PROJ_NO}"
  }, {
    DisplayText: "Project Name:",
    FieldName: "${PROJ_NAME}"
  }, {
    DisplayText: "Site Name:",
    FieldName: "${SITE_NAME}"
  }, {
    DisplayText: "Address:",
    FieldName: "${ADDRESS}"
  }, {
    DisplayText: "City:",
    FieldName: "${CITY}"
  }, {
    DisplayText: "State:",
```

```

        FieldName: "${STATE}"
    }, {
        DisplayText: "Type:",
        FieldName: "${Type}"
    }, {
        DisplayText: "Program:",
        FieldName: "${Program}"
    }, {
        DisplayText: "Issue Date:",
        FieldName: "${Issue_Date}"
    }, {
        DisplayText: "Receive Date:",
        FieldName: "${Receive_Date}"
    }, {
        DisplayText: "County:",
        FieldName: "${County}"
    }
    }
}, {
    Title: "ERP",
    ServiceURL: "http://50.18.115.76:6080/arcgis/rest/services/ERP/MapServer/0",
    LoadAsServiceType: "dynamic",
    ListDisplayText: "Permit Number",
    ListFieldName: "${ERP_PERMIT_NBR}",
    SearchDisplayField: "${ERP_PERMIT_NBR} / ${PROJECT_NAME} / ${ERP_PERMIT_TYPE_DESC}",
    SearchQuery: "UPPER(ERP_PERMIT_NBR) LIKE '${0}%' OR UPPER(PROJECT_NAME) LIKE '${0}%' OR
UPPER(ERP_PERMIT_TYPE_DESC) LIKE '${0}%' OR UPPER(PERMITTEE_NAME) LIKE '${0}%' ",
    InfoWindowHeader: "${PROJECT_NAME}",
    InfoWindowContent: "${ERP_PERMIT_NBR}",
    InfoWindowData: [{
        DisplayText: "Application ID:",
        FieldName: "${ERP_APPLICATION_ID}"
    }, {
        DisplayText: "Permit Number:",
        FieldName: "${ERP_PERMIT_NBR}"
    }, {
        DisplayText: "Permittee Name:",
        FieldName: "${PERMITTEE_NAME}"
    }, {
        DisplayText: "Project Name:",
        FieldName: "${PROJECT_NAME}"
    }, {
        DisplayText: "Address:",
        FieldName: "${ADDRESS}"
    }, {
        DisplayText: "City:",
        FieldName: "${CITY}"
    }, {
        DisplayText: "Type:",
        FieldName: "${ERP_PERMIT_TYPE_DESC}"
    }, {
        DisplayText: "Status:",
        FieldName: "${ERP_STATUS_DESC}"
    }
    ]
}

```

```

    }, {
      DisplayText: "County:",
      FieldName: "${COUNTY_NAME}"
    }, {
      DisplayText: "URL:",
      FieldName: "${ERP_EXT_URL}"
    }
  ]
}, {
  Title: "CUP",
  ServiceURL: "http://50.18.115.76:6080/arcgis/rest/services/CUP/MapServer/0",
  LoadAsServiceType: "dynamic",
  ListDisplayText: "Permit Number",
  ListFieldName: "${WUP_PERMIT_NBR}",
  SearchDisplayField: "${WUP_PERMIT_NBR} / ${SITE_PROJECT_NAME}
/${WUP_PERMIT_TYPE_DESC}",
  SearchQuery: "UPPER(WUP_PERMIT_NBR) LIKE '${0}%' OR UPPER(SITE_PROJECT_NAME) LIKE '${0}%'
OR UPPER(WUP_PERMIT_TYPE_DESC) LIKE '${0}%' OR UPPER(PERMITTEE_NAME) LIKE '${0}%' ",
  InfoWindowHeader: "${SITE_PROJECT_NAME}",
  InfoWindowContent: "${WUP_PERMIT_NBR}",
  InfoWindowData: [{
    DisplayText: "Application ID:",
    FieldName: "${WUP_APPLICATION_ID}"
  }, {
    DisplayText: "Permit Number:",
    FieldName: "${WUP_PERMIT_NBR}"
  }, {
    DisplayText: "Permittee Name:",
    FieldName: "${PERMITTEE_NAME}"
  }, {
    DisplayText: "Project Name:",
    FieldName: "${SITE_PROJECT_NAME}"
  }, {
    DisplayText: "Address:",
    FieldName: "${ADDRESS}"
  }, {
    DisplayText: "City:",
    FieldName: "${CITY}"
  }, {
    DisplayText: "Type:",
    FieldName: "${WUP_PERMIT_TYPE_DESC}"
  }, {
    DisplayText: "Status:",
    FieldName: "${WUP_APP_STATUS_DESC}"
  }, {
    DisplayText: "County:",
    FieldName: "${COUNTYNAME}"
  }, {
    DisplayText: "URL:",
    FieldName: "${WUP_EXT_URL}"
  }
  ]
}],

```

CountyLayerData: URL used for doing query task on the County layer

- Key: Used as a layerid when adding this layer to the map and has to be unique.
- ServiceURL: URL of the layer.
- LoadAsServiceType: Field to specify if the operational layers should be added as dynamic map service layer or feature layer or tiled map service layer. Supported service types are 'dynamic', 'feature', 'tiled' only.
- SearchQuery: Query based on which the County layer will be searched when not using Geocoder service.
- CountyDisplayField: Attribute that will be displayed when user searches for a particular county.
- UseGeocoderService: Control flag to disable or enable the Geocoder service

```
CountyLayerData: {  
  Key: "CountyLayer",  
  ServiceURL: "http://50.18.115.76:6080/arcgis/rest/services/StatePermit/MapServer/0",  
  LoadAsServiceType: "dynamic",  
  SearchQuery: "NAME LIKE '${0}% ' ",  
  CountyDisplayField: "${NAME}",  
  UseGeocoderService: true  
},
```

ZoomLevel: Zoom level for the map upon searching an address

ZoomLevel: 10,

AutoCompleteForPermit: Control flag to enable or disable auto-complete feature for Permit search

AutoCompleteForPermit: true,

InfoPopupHeight: Set size of the info-Popup - select maximum height in pixels (not applicable for tabbed info-Popup)

InfoPopupHeight: 310,

InfoPopupWidth: Set size of the info-Popup - select maximum width in pixels

InfoPopupWidth: 330,

ShowNullValueAs: Set string value to be shown for null or blank values

ShowNullValueAs: "N/A",

FormatDateAs: Set date format

FormatDateAs: "MMM dd, yyyy",

LocatorSettings: Set locator settings such as locator symbol, size, display fields, match score

- DefaultLocatorSymbol: Pushpin image source URL.
- MarkupSymbolSize: Pushpin image size.
- DisplayText: Header for the displayed panel tab.
- LocatorDefaultAddress: Default Address to search.
- LocatorParameters: Set search parameters for address search.
- LocatorURL: Locator service URL for address search as well as county search.
- CandidateFields: Candidate results are sorted based on this attributes.
- DisplayField: Attribute that will be displayed when user performs a search.
- AddressMatchScore: Setting the minimum score for filtering the candidate results.
- LocatorFieldValues: Candidates based on which the address search will be performed.
- CountyFields: Set the search fields for county search.

- **MaxResults:** The maximum number of locations to be returned by a search, up to the maximum number allowed by the service.

```
LocatorSettings: {
  DefaultLocatorSymbol: "images/redpushpin.png",
  MarkupSymbolSize: {
    width: 35,
    height: 35
  },
  Locators: [{
    DisplayText: "Address",
    LocatorDefaultAddress: "26650 Foamflower Blvd, Wesley Chapel, FL, 33544",
    LocatorParameters: {
      SearchField: "text",
      SearchResultField: "outFields",
      SearchCountField: "maxLocations",
      SearchBoundaryField: "bbox",
      SpatialReferenceField: "outSR"
    },
    LocatorURL: "http://geocode.arcgis.com/arcgis/rest/services/World/GeocodeServer/find",
    CandidateFields: "Addr_type, Type, Score, Match_addr",
    DisplayField: "${Match_addr}",
    AddressMatchScore: {
      Field: "Score",
      Value: 80
    },
    LocatorFieldName: 'Addr_type',
    LocatorFieldValues: ["StreetAddress", "StreetName", "PointAddress"],
    CountyFields: {
      FieldName: 'Type',
      Value: ['county', 'city', 'park', 'lake', 'mountain', 'state or province']
    },
    MaxResults: 200
  }, {
    DisplayText: "Location",
    LocatorDefaultLocation: "Hernando County",
    DisplayField: "${NAME}"
  }, {
    DisplayText: "Permit",
    LocatorDefaultPermit: "10"
  }
]},
```

GeometryService: Set geometry service URL

GeometryService:

"http://localgovtemplates2.esri.com/ArcGIS/rest/services/Geometry/GeometryServer",

MapSharingOptions: Set URL for TinyURL service, and URLs for social media

- **TinyURLServiceURL:** Used for converting the long URL to short URL
- **TinyURLResponseAttribute:** It is a response for the URL for converting long URL to short URL and it behaves as a key for that URL.
- **FacebookShareURL:** Social networking site URL


```
MapSharingOptions: {  
    TinyURLServiceURL:  
    "http://api.bit.ly/v3/shorten?login=esri&apiKey=R_65fd9891cd882e2a96b99d4bda1be00e&uri=${0}&for  
mat=json",  
    TinyURLResponseAttribute: "data.url",  
    FacebookShareURL: "http://www.facebook.com/sharer.php?u=${0}&t=Permit%20Status",  
    TwitterShareURL: "http://mobile.twitter.com/compose/tweet?status=Permit%20Status ${0}",  
    ShareByMailLink: "mailto:%20?subject=Check%20out%20this%20map!&body=${0}"  
}  
});
```