

Oracle® Utilities Work and Asset Management

ESRI ArcGIS Viewer User Guide

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ESRI ArcGIS Viewer User Guide

The ESRI ArcGIS map viewer provides a means of navigating between the Oracle Utilities Work and Asset Management application and external GIS data. Using the map viewer you can view and manipulate asset and maintenance information based on geographic location.

Note: Before the map viewer can be used, your system administrator must load a GIS map, configure the GIS Setup business rule, and assign user responsibilities. Please refer to the [ESRI ArcGIS Viewer Installation and Configuration Guide](#) for further instructions.

New Features for Release 1.9.0.3

Changes in these releases include the following:

- Modified references to ESRI2Viewer to ESRI3Viewer for the ESRI ArcGIS Viewer to avoid confusion with ESRI ArcIMS map viewer. This affects the setting in the GIS Setup business rule and the responsibility function for ESRI3.

Map Viewer

Open the map viewer by selecting ESRI GIS Viewer from your home page Actions list. In addition to the menu options, the map viewer window includes the map display, a toolbar consisting of pan and zoom controls, and a theme selections panel that controls which map features display.

You can also open the viewer by selecting [View GIS Map](#) or [Print GIS Map](#) from one of the module that is integrated with GIS.

Tools

Click on the icons to select the following map image controls from the Tools component. Hover over each icon to see the description of the tool.

Drag Map - Shift the map in the desired direction. Click the tool then click and hold the mouse over the map while moving it in the desired direction.

Zoom In/Zoom Out - Select the tool then click the map to zoom in or out. You can also use the slider on top of the map to zoom in and out.

Select/Select Rectangle/Select Circle/Clear Selection - Use the regular select tool to select one object on the map. You can also use the rectangle or circle to draw an area on the map to select objects within that area. You must have at least one theme checked to select objects on the map. Clear selection simply deselects all of the objects on the map.

Refresh Map - Redraw the map. Note that using this refresh tool or the browser refresh will reset the map with all themes selected again.

Print Map - Formats the map for printing and sends directly to your printer.

Search - Selecting the Search icon opens a dialogue box allowing you to enter search criteria. You can search by Theme, Field Name and/or Value. Execute the search and the system finds and selects objects on the map matching your criteria.

View Attributes - Displays a summarized list of the selected objects. Use this tool to see which assets are selected without leaving the GIS screen. The list of selected objects is separated by tabs based on layer. Note that you can scroll down to see more items in the list.

Previous Zoom - Returns map to the last zoom area.

Previous Center - Returns map to the last position where it was centered.

Fit Map - Resizes the entire map component to fit your screen.

Smaller Map - Resizes entire map component to a smaller area.

Themes

Select themes to display elements on the map. Each type of theme is represented by a different symbol or color. Click objects on the map to display attributes of the object.

Select and deselect check boxes for themes to display or remove them from the map. The first column is checked to display the object, while the second column is checked to select the objects.

Select or deselect the first box in each column to select or deselect all.

Overview

The Overview component shows a thumbnail representation of the overall map. You can move the selected area on the overview to reposition the map.

Accessing Maps from Records

The main link to the ArcGIS Viewer is located on the home page, however, the viewer is best used when it is launched from an Asset, Work Order, Work Order Task, PM Master, or Service Request record. Open the appropriate record then select View GIS Map from the Actions list.

You can also search for multiple Assets then launch the ArcGIS Viewer from the results of search screen. The resulting map will show all of the Assets from the results list.

Search for assets then select View GIS Map from the Actions list on the results of search screen to launch the map showing all of the assets resulting from the search.

From the Service Request record, select View Map (Tax ID) to view a map of the customer's address on the service request.

Use similar steps to view maps from Work Order, PM Master and Service Request. The option to Print from these modules in the same manner is available from the Actions list as well.

Viewing Records from Map Objects

If you are looking at the map viewer you can select from the Menu to see which actions are available for each item. Select one or multiple objects on the map then click View for Asset, PM Master, Service Request, Work Order or Work Request and the system opens a results of search screen in the designated module listing all of the related records referencing the selected objects.

The objects must already be assigned to GIS features through your system configuration before they can be viewed in this way. Please contact your system administrator for more information.

Creating Records from Map Objects

To create new PM Masters, Service Requests, Work Orders or Work Requests you can select one or multiple objects on the map then click the desired menu item and select Create.

When you create new records from GIS the system uses the Default Name in the user profile of the logged on user to populate the Dispatcher, Requestor, and Initiator fields on the Service Request, Work Order and Work Request, respectively.

Work Request - The system creates one record for the selected map object. You can only create one Work Request at a time.

Service Request - The system creates one Service Request record with every selected map object listed in the Assets view.

Work Order - When you select Create (multi tasks) the system creates one Work Order record with a separate task for each selected map object. Selecting Create (single task) creates one Work Order record with one task listing all selected assets in the Asset List.

Recording Assets

When you launch the ArcGIS Viewer from a Service Request record, you can select one or more Assets on the map the select Record Assets from the Menu under Service Request. The system adds the selected assets to the Service Request that you were viewing when you launched the viewer.