

Esri UK Premium Services

- Guidelines

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Gaining access to the services

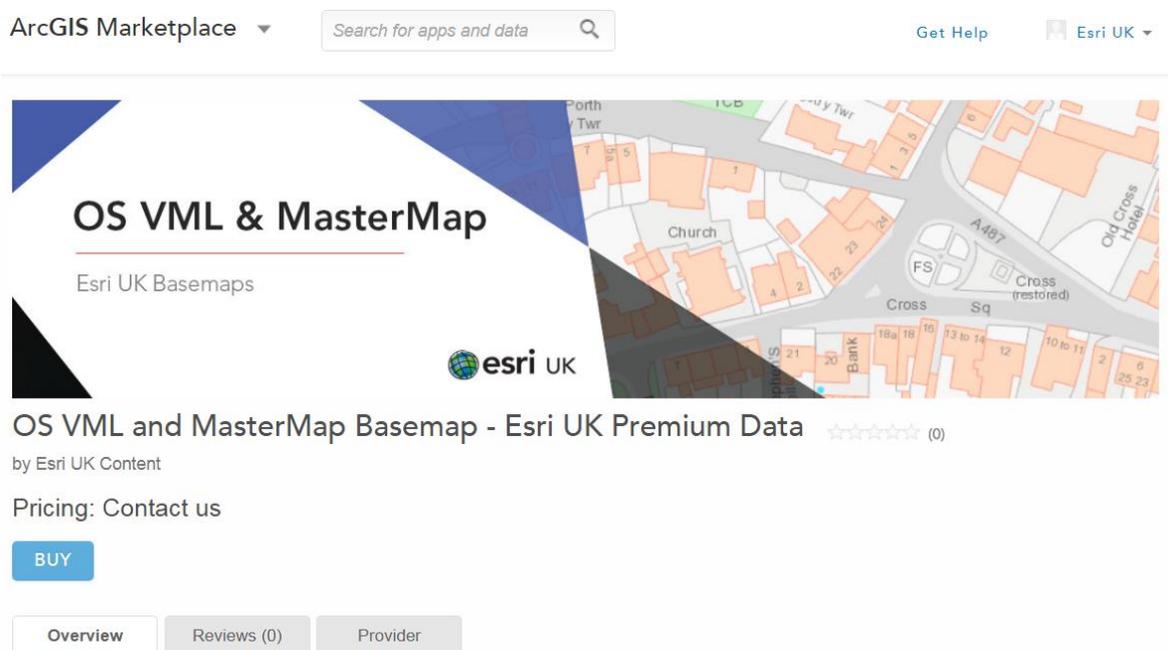
Licensing and terms of access

The Premium services are currently only available to those who have the relevant national licence for the underlying OS data. This includes those who have access under the PSMA agreement.

Prior to requesting access via the Marketplace you should speak to your Customer Success Manager about purchasing access to the services or agreeing a trial period.

Marketplace

Go to marketplace and [search](#) for the item you wish to get access to, review the information on the listing and select “Buy”.



ArcGIS Marketplace [Get Help](#) [Esri UK](#)

OS VML & MasterMap

Esri UK Basemaps



OS VML and MasterMap Basemap - Esri UK Premium Data

by Esri UK Content

Pricing: Contact us

[BUY](#)

[Overview](#) [Reviews \(0\)](#) [Provider](#)

The OS VML MM Carto base map is designed to be used as

Trial Duration:

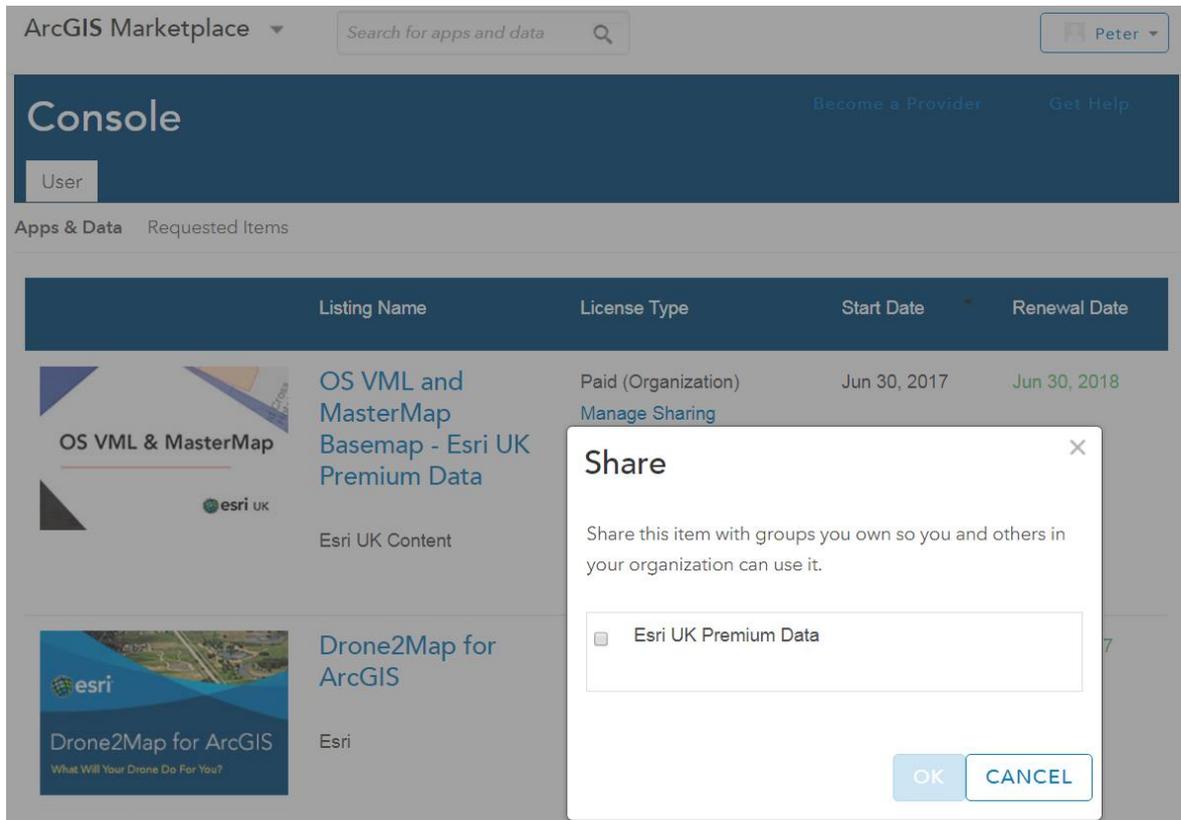
Contact Information:

We will review your request and if you have already discussed with your Customer Success Manager we will grant access if not we will forward to them to discuss access with you.

Once you have been granted access you will receive an email and the item will show under your Apps & Data section of your Marketplace Console.

In order to share the services within your organisation you will need to have created a group to which you will share the services. Help on how to create and share groups can be found in the [Online Help](#).

Select “Manage Sharing” and then the group into which you wish to share the item.



The screenshot shows the ArcGIS Marketplace Console interface. At the top, there is a search bar and a user profile for 'Peter'. The main content area displays a list of items under the 'Apps & Data' tab. The first item is 'OS VML and MasterMap Basemap - Esri UK Premium Data', which is a 'Paid (Organization)' item with a 'Manage Sharing' link. A 'Share' dialog box is open over this item, allowing the user to share it with groups they own. The dialog box contains the text: 'Share this item with groups you own so you and others in your organization can use it.' Below this text is a list of groups, with 'Esri UK Premium Data' selected. At the bottom of the dialog box are 'OK' and 'CANCEL' buttons.

Listing Name	License Type	Start Date	Renewal Date
OS VML and MasterMap Basemap - Esri UK Premium Data	Paid (Organization)	Jun 30, 2017	Jun 30, 2018
Drone2Map for ArcGIS			

Raster basemaps

As the services are secure you need to ensure that you share them appropriately with your users so they can access them. The various options for sharing are detailed below.

Sharing within ArcGIS Online

To share the service with other users within your ArcGIS Online organisation they will need to be invited to the group that contains the item. Open the group and add the users you wish to have access to the data.

If you want to share the item for public use please see section on “

Use in Public facing applications or websites” below for important information on how to ensure the OS data is secured appropriately.

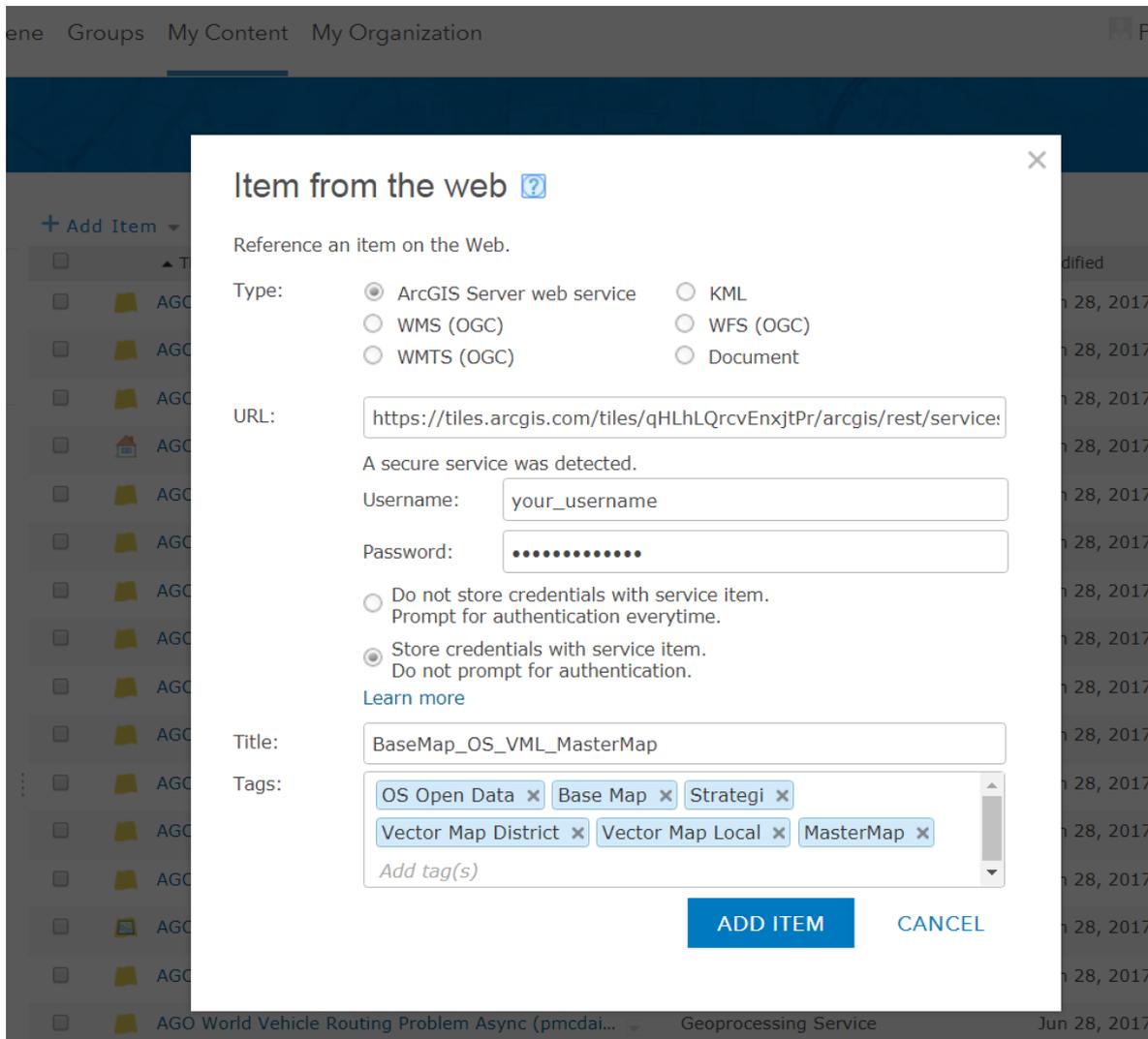
Full details on how to manage and use groups can be found in the [ArcGIS Online help](#).

Sharing within ArcGIS Enterprise

ArcGIS Enterprise version 10.5.1 and above

Within your ArcGIS Enterprise portal add a new item pointing at the REST endpoint URL for the relevant service. A full list of the URLs can be found at the end of this document.

In the content section choose to add a new item from the web. Enter the URL and when prompted enter your ArcGIS Online credentials. Choose to store the credentials with the item.



This will create an item where the authentication is performed for you every time it is accessed, without the need for you to enter the credentials yourself.

This item can now be shared as normal. Full information on sharing can be found in the [help](#).

ArcGIS Enterprise prior to version 10.5.1

You will need to follow the pattern for making the item a public item in ArcGIS Online and then adding the internal portal URL as one of the allowed URLs in "Limit Usage". This process is detailed [below](#).

Use within ArcGIS Desktop

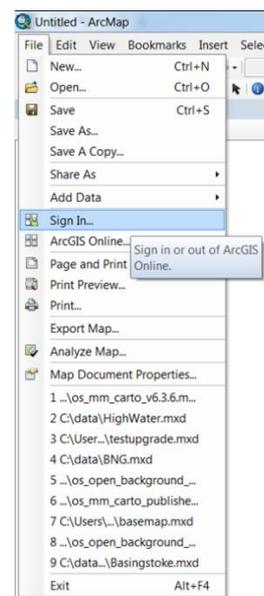
ArcGIS Pro

When you use ArcGIS Pro login using your ArcGIS Online ID or your ArcGIS Enterprise ID. You will automatically be able find and use to all of the content you have access to. [The online help](#) details how you can search for and use data from your Portal. Therefore, as long as the service has been shared with the user and/or they are members of the correct groups they will be able to use the service.

ArcMap

When using ArcMap users should login to their ArcGIS Online account or ArcGIS Enterprise account through the file menu and selecting 'Sign In'.

Full details of signing to ArcGIS Online or your ArcGIS Enterprise portal in ArcMap can be found in the [online help](#).



Use in Public facing applications or websites

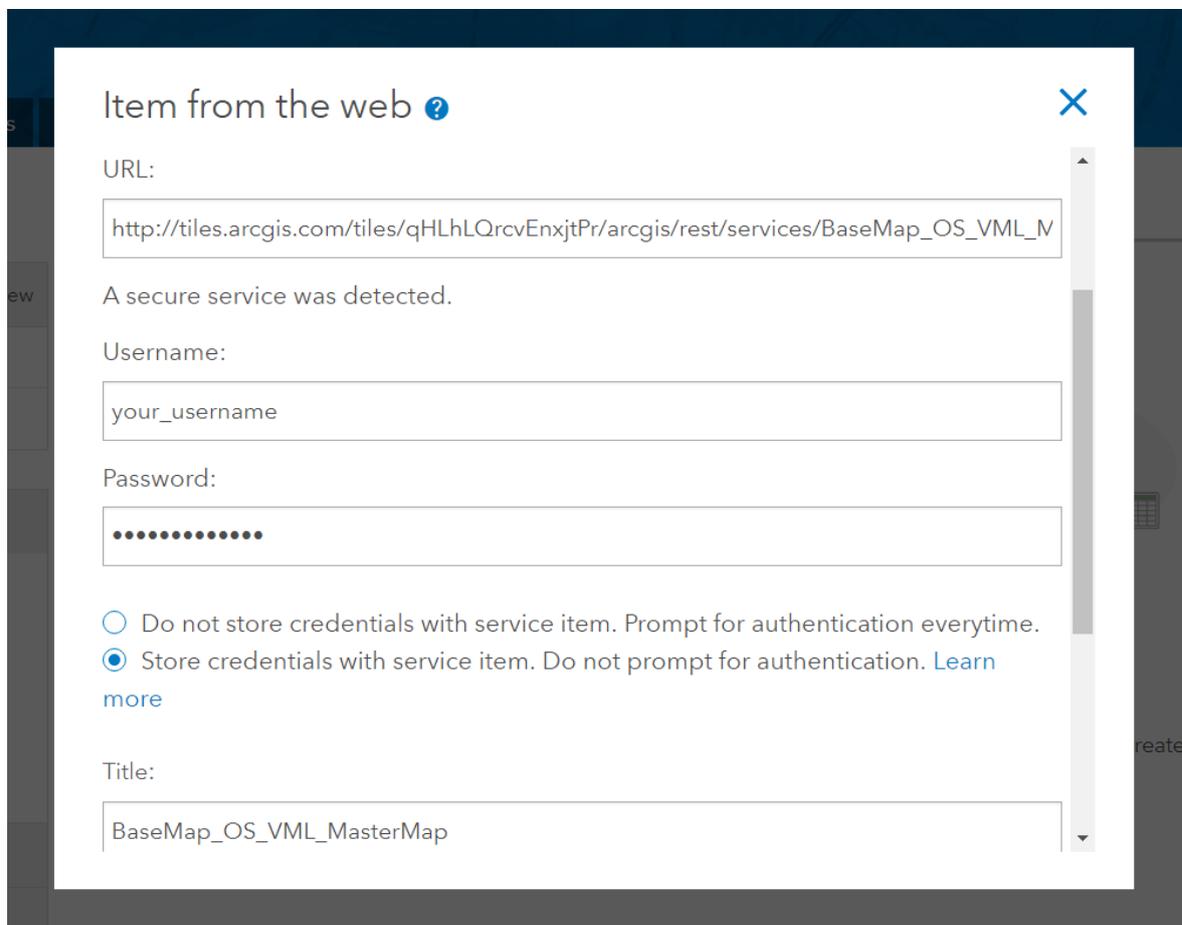
When the data is to be used within a public facing application the service needs to be set up in such a way as to allow end users to view the data in the application or website without the need to enter login credentials, whilst at the same time ensuring that the service remains secure from theft or malicious use.

Securing Access and generating items to use

Within ArcGIS Online add a new item pointing at the REST endpoint URL for the relevant service. A full list of the URLs can be found [below](#).

Create new item

In the content section choose to add a new item from the web. Enter the URL and when prompted enter your ArcGIS Online credentials. Choose to store the credentials with the item.



Item from the web ?

URL:

A secure service was detected.

Username:

Password:

Do not store credentials with service item. Prompt for authentication everytime.
 Store credentials with service item. Do not prompt for authentication. [Learn more](#)

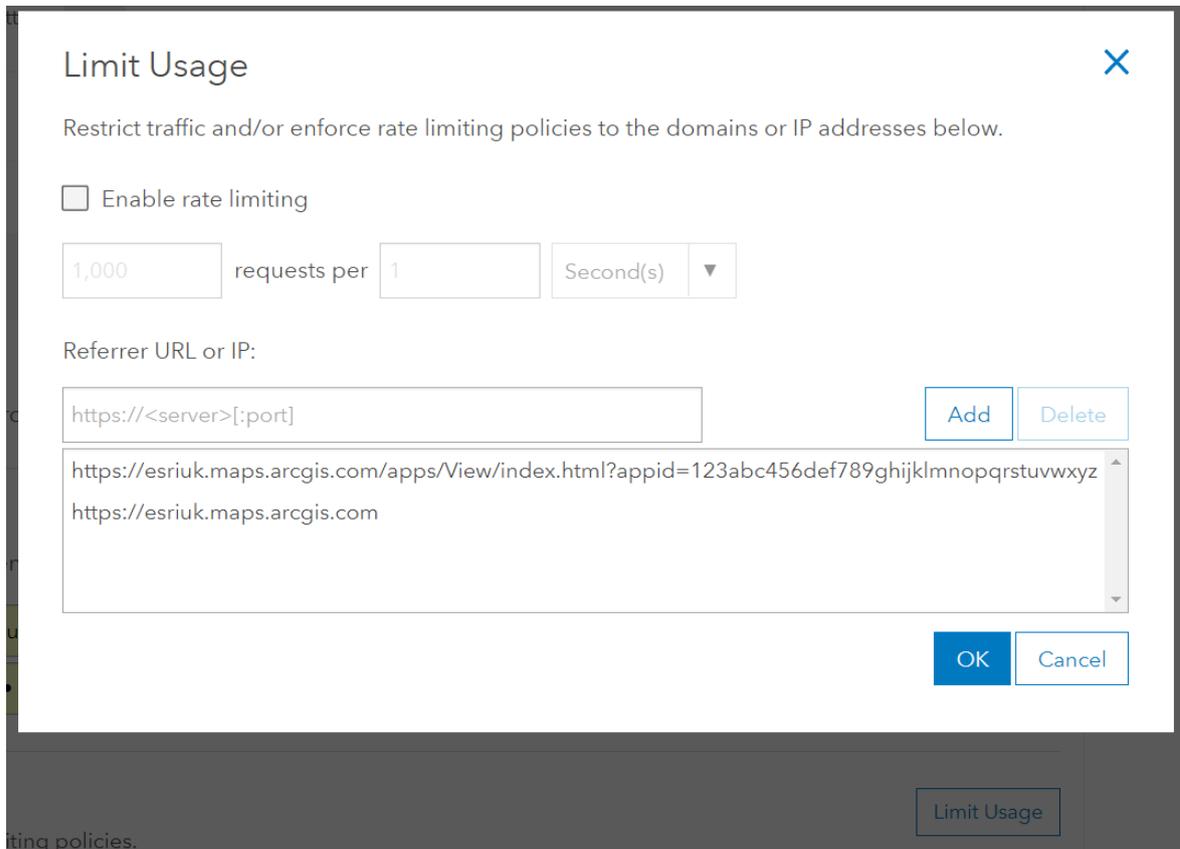
Title:

This will create an item where the authentication is performed for you every time it is accessed, without the need for the end user to enter the credentials each time.

Limit Usage

The item now needs to be set so that only the authorised applications or websites can access it.

Inside the setting tab for the new item you will find a button labelled “Limit Usage”, this allows you to enter the URLs of the applications that will be allowed to access the item.



You can choose to enter specific URLs for applications or you can choose to add the URL of your organisation allowing the service to be used within any applications created by your organisation.

Once these have been added you will be able to share the item publicly with the knowledge that whilst the item can be searched for it can only be used within the applications you have specified.

How does this affect the licensing of the OS data?

Without adding a watermark

The PSMA agreement states that for Web Mapping Services if you choose not to use a watermark that you must include the "Same Network" security measure.

<https://www.ordnancesurvey.co.uk/business-and-government/public-sector/mapping-agreements/wms-and-wfs-guidance.html>

We have confirmed with the Ordnance Survey that the adding of the URLs to the Limit Usage section fulfils the requirements of the “Same Network” security measure. As long as the URLs you enter restrict the usage of the data to your own applications (or those of your authorised partners) then you are fulfilling their security requirements.

Using a watermark

If you do not wish to use the limit usage capability above then you will need to add a watermark to the services. Esri UK provide a free application through the ArcGIS Marketplace called [Markr](#) that will aid you in doing this.

Service REST endpoints

Service	Service URL
<u>OS 25K Raster</u>	https://tiles.arcgis.com/tiles/qHLhLQrcvEnxjtPr/arcgis/rest/services/B asemap_OS_25K/MapServer
<u>OS 50K Raster</u>	https://tiles.arcgis.com/tiles/qHLhLQrcvEnxjtPr/arcgis/rest/services/B asemap_OS_50K/MapServer
<u>OS VML Colour Raster</u>	https://tiles.arcgis.com/tiles/qHLhLQrcvEnxjtPr/arcgis/rest/services/B asemap_OS_VML_Colour_Raster/MapServer
<u>OS Premium Raster</u>	https://tiles.arcgis.com/tiles/qHLhLQrcvEnxjtPr/arcgis/rest/services/B asemap_OS_Premium_Rasters/MapServer
<u>OS MasterMap</u>	https://tiles.arcgis.com/tiles/qHLhLQrcvEnxjtPr/arcgis/rest/services/B aseMap_OS_MasterMap/MapServer
<u>OS VectorMap Local</u>	https://tiles.arcgis.com/tiles/qHLhLQrcvEnxjtPr/arcgis/rest/services/B aseMap_OS_VectorMap_Local/MapServer
<u>OS VML and MasterMap</u>	https://tiles.arcgis.com/tiles/qHLhLQrcvEnxjtPr/arcgis/rest/services/B aseMap_OS_VML_MasterMap/MapServer

Vector Tile basemaps

Vector tile basemaps consist of two main elements, the vector tile data (points, lines, and polygons) and the corresponding style for how those tiles should be drawn.

The service you access through the marketplace is the underlying data. When you want to use the basemap it should be accessed through a style which defines the symbology and rules for how the data is displayed.

Styles

Esri UK has created styles for use to use which can be accessed through a [group](#) in ArcGIS Online. As new styles are created they will be added to that group.

You can use these styles as a basis for creating your own using the [Vector Tile Style Editor](#).

Sharing within ArcGIS Online

To share the service with other users within your ArcGIS Online organisation they will need to be invited to the group that contains the Vector Tile Service.

The styles are public so once they have access to the underlying data then they can access use the styles, although you may wish to add these to your own group as well, particularly if you plan to create your own styles. This will make it easier for your users to access all of the styles in one place.

If you want to share the item for public use please see section on “

Use in Public facing applications or websites” below for important information on how to ensure the OS data is secured appropriately.

Full details on how to manage and use groups can be found in the [ArcGIS Online help](#).

Use within ArcGIS Pro

When you login to a portal using our ArcGIS Online ID or your ArcGIS Enterprise ID, you will automatically be able find and use to all of the content you have access to.

[The online help](#) details how you can search for and use data from your Portal. Therefore once the service has been shared with the user and/or they are members of the correct groups they will be able to use it.

As referred to above you should point your users to wards using the styles rather than the service directly to ensure that everything is displayed and symbolised in the way you would expect.

Use in Public facing applications or websites

If you want to share the item for public use you will need to create a new item in your ArcGIS online organisation which handles the authentication with the underlying service by embedding your credentials in it. You would then need to create copies of the styles which point at the new endpoint.

This process is fairly complex so Esri UK has released an ArcGIS Notebook which you can run in your organisation which will automate these steps for you. This Notebook is be shared through the same [group](#) as the styles.

When you load the notebook, review the documentation and then click the restart and run ► button

ArcGIS | Create public versions of Premium Vector Tile service

Add Analysis Files Share Info

File Edit View Insert Cell Kernel Help

Run Markdown

Create publicly shareable versions of Esri UK Premium Vector tile basemap service

- Ready To Run!
- Administration
- Content Management

Esri UK host a premium basemap service which contains premium data such as OS MasterMap and VectorMap Local. If you do not already have access then please talk to your Customer Success Manager.

In order to be used in a publicly accessible map or application the service needs to be secured to only be used within those published from your organisation.

This notebook will:

- Create a folder in which to store the new publicly shareable version of the Premium Vector tile basemap service from Esri UK.
- Create a new item pointing the vector tile service and embed your credentials so that authentication is not required each time it is viewed. Usage of the service will be limited to the base url of your organisation.
- Create copies of the two styles and modify them to point to this new item.
- Create WebMaps containing the new styles that can be used in a basemap gallery or a basis for new map.

This notebook will not make any of the service or webmaps public, once you have created your maps or applications you will need to then make the new services and styles public

You will be asked to specify the name of folder to create the new content in. If none is specified then one called “Esri UK Premium Vector Tile Basemap” will be created for you. It is restricted for use by applications and maps hosted in your ArcGIS organisation.

It will create a new vector tile service item which has your ArcGIS Online credentials embedded in it to access the service, there will be two styles and two webmaps containing those styles.

Title		Modified
GB_MasterMap_VML_BASE_v1_public	Tile Layer	May 26, 2020
GB MasterMap VML Background	Web Map	May 26, 2020
GB MasterMap VML Background	Tile Layer	May 26, 2020
GB MasterMap VML Light Grey	Web Map	May 26, 2020
GB MasterMap VML Light Grey	Tile Layer	May 26, 2020
GB MasterMap VML Cartographic	Web Map	May 26, 2020
GB MasterMap VML Cartographic	Tile Layer	May 26, 2020

When ready to share your public application/map you will need to set the service and styles to be available to the public.

If you wish to update the credentials that are being used to access the service, then you can update them within the GB_MasterMAP_VML_BASE_V1_public item. Just enter the new logon information in the setting page for the item.