Technical Specifications

Cache Levels

For reference, here are the scales of the Esri UK map services. All of the map services are in British National Grid on the following scales but not all datasets are cached all the way down:-

LEVEL	Esri UK map cache scales	Google/Bing map cache scales
L00	500,000,000	1:591,657,528
L01	250,000,000	1:295,828,764
L02	100,000,000	1:147,914,382
L03	75,000,000	1:73,957,191
L04	50,000,000	1:36,978,595
L05	25,000,000	1:18,489,298
L06	10,000,000	1:9,244,649
L07	5,000,000	1:4,622,324
L08	2,500,000	1:2,311,162
L09	1,000,000	1:1,155,581
L10	500,000	1:577,791
L11	250,000	1:288,895
L12	100,000	1:144,448
L13	75,000	1:72,224
L14	50,000	1:36,112
L15	25,000	1:18,056
L16	10,000	1:9,028
L17	5,000	1:4,514
L18	2,500	1:2,257
L19	1,250	1:1,128

So the largest scale for the cached services is 1:1,250. If you need a larger scale, our suggestion is to use a dynamic service.

Initially, the Esri UK map services used the same scales as used by Google/Bing but after some customer feedback, it was changed to a scale range more suited for displaying the Ordnance Survey maps. For reference the Google/Bing scales included in the above table.

Hardware Specifications

Esri UK's online services have been using some powerful servers to build the caches:-

Amazon Web Services High-Memory Quadruple Extra Large Instance[1]

68.4 GB of memory
8 virtual cores
64-bit platform –
Win 2008 Datacenter SP2 or Linux
ArcGIS 10.0 SP4 or ArcGIS 10.1

[1] http://aws.amazon.com/ec2/instance-types/

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