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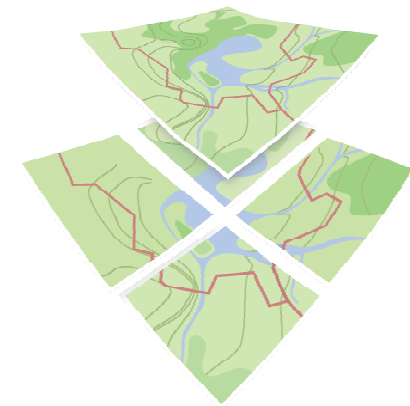


Ordnance  
Survey



# OGC API Maps and Tiles

OGC API Hackathon 2019  
London, United Kingdom  
20 June 2019





# Building “blocks”

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/map/{styleId}

/collections/{collectionId}

/collections/{collectionId}/coverages/{coverageId}

/tiles/{tileMatrixSetId}/{tileMatrix}/{tileRow}/{tileCol}

# Data Tiles (Vector or coverage) : We are getting the data!



/  
/collections/{collectionId}  
/collections/{collectionId}/coverages/{coverageId} }

/tiles/{tileMatrixSetId}/{tileMatrix}/{tileRow}/{tileCol}

/map/{styleId}



# Maps: We get raster or vector maps

---

/  
/collections/{collectionId}  
/collections/{collectionId}/coverages/{coverageId} } /map/{styleId}

?BBOX=...&CRS=... &WIDTH=... &HEIGHT=...

~~/tiles/{tileMatrixSetId}/{tileMatrix}/{tileRow}/{tileCol}~~



# Building “blocks”: Query parameters

---

/

/collections/{collectionId}

/collections/{collectionId}/coverages/{coverageId}

⇒ Filtering Query

/map/{styleId}

⇒ BBOX, WIDTH...

/tiles/{tileMatrixSetId}/{tileMatrix}/{tileRow}/{tileCol}

⇒ I, J...

Each path block has associated some query parameters. This is not in OpenAPI 3.0

# No maps after items.



- /collections/{collectionId}/items/{featureId}
- /collections/{collectionId}/items/map
  - NOT a map. A feature that is called "map"!!



# “Raster” Tiles: We get colorful pixels

---

/  
/collections/{collectionId}  
/collections/{collectionId}/coverages/{coverageId} } /map/{styleId}

/tiles/{tileMatrixSetId}/{tileMatrix}/{tileRow}/{tileCol}

# Development of OGC Tiles API



- ESRI *ALREADY* has a example proof of concept done as a facade of ESRI RESTful API
- HEXAGON *ALREADY* has a client that is adapted to show the responses of ESRI proof of concept (in 2D and 3D)
- MiraMon is preparing some Sentinel data in GoogleMapsCompatible and WorldCRS84Quad to combine with ESRI implementation tomorrow.





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