

Using the Azure Data Market with Windows Phone 7



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- Microsoft Azure: Enterprise Application Development
<http://bit.ly/msazurebook>



Azure DataMarket

- <http://datamarket.azure.com/>

Windows Azure Marketplace

Region: United States | Support | Sign In

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Odata – Open Data Protocol

- Web protocol for querying and updating data.
- RESTful: Based on HTTP, AtomPub, JSON.
- <http://www.odata.org/>

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Open Data Protocol

There is a vast amount of data available today and data is now being collected and stored at a rate never seen before. Much, if not most, of this data however is locked into specific applications or formats and difficult to access or to integrate into new uses.

The **Open Data Protocol (ODATA)** is a Web protocol for querying and updating data that provides a way to unlock your data and free it from silos that exist in applications today. OData does this by applying and building upon Web technologies such as [HTTP](#), [Atom Publishing Protocol \(AtomPub\)](#) and [JSON](#) to provide access to information from a variety of applications, services, and stores. The protocol emerged from experiences implementing AtomPub clients and servers in a variety of products over the past several years. OData is being used to expose and access information from a variety of sources including, but not limited to, relational databases, file systems, content management systems and traditional Web sites.

ODATA is consistent with the way the Web works - it makes a deep commitment to URIs for resource identification and commits to an HTTP-based, uniform interface for interacting with those resources (just like the Web). This commitment to core Web principles allows OData to enable a new level of data integration and interoperability across a broad range of clients, servers, services, and tools.

ODATA is released under the [Open Specification Promise](#) to allow anyone to freely interoperate with OData implementations.

How to participate: Join the OData [mailing list](#) to ask questions about the protocol and discuss how it should evolve over time.

CO

Fixed vs Flexible Queries

- Predefined operations or not?

Service root URL

<https://api.datamarket.azure.com/Alteryx/CensusDemographicData/>

This service supports fixed query. Some queries may include required input parameters. ([learn more about query types](#))

Service root URL

<https://api.datamarket.azure.com/data.gov/Crimes/>

This service supports flexible query. All input parameters are optional. ([learn more about query types](#))

- Both are URI addressable

```
https://api.datamarket.azure.com/data.ashx/contoso.com/salesreport/GetSalesReport?
region=northamerica
```



The Service Class

- VS 2010 “Add Service Reference” not supported by Data Market for fixed queries

15,000,000 Transactions/month	\$2,400.00 per month UPDATE
2,000,000 Transactions/month	\$300.00 per month UPDATE
500,000 Transactions/month	\$24.00 per month UPDATE
Active Subscription	
100,000 Transactions/month	\$0.00 per month CANCEL

[.NET C# Class Library](#)

[Infochimps trstrank data documentation](#)
This is the basic documentation for the Infochimps trstrank data.



Authentication

- Basic (email + app key)
 - My Account >> Account Keys

Account Keys

Account keys are used by applications to access your Windows Azure Marketplace dataset subscriptions. Please make sure to secure your account key as you would a credit card number. Do not share your account keys with other users.

Example account key usage: Excel, PowerPivot or third-party applications may require that you provide your account key in order to access your Windows Azure Marketplace dataset subscriptions.

Description	Value	ACS	
Default	tbgjRZoj31hpgZLmVcCz8NGrSORXnmSaKOWhS5TM=	<input type="checkbox"/>	Edit Remove

- OAuth 2.0



DEMO



QUESTIONS



“...the clear leader and champion...”



Studio for Windows Phone 7



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