



OWLIM@AWS – on-demand RDF data management in the Cloud

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Contents

- **Why** OWLIM@AWS?
- **What** is OWLIM@AWS?
- **How** to use it?
- Future plans

OWLIM@AWS – WHY AND WHAT?

Why OWLIM@AWS?

- Open new opportunities for companies adopting Semantic Technologies
- No need for upfront investment in hardware & licenses; reduced risks & planning complexity
- Pay only for what you use
- Scale up or down as needed (server memory & CPU cores)
- On-demand provisioning of the latest OWLIM release
- Integrate with applications already deployed on AWS

What is OWLIM@AWS?

- AMI for OWLIM 5.3 Standard Edition on Linux
 - Windows version planned
 - OWLIM Enterprise Edition version planned
- DevPay product
- Deployment on *M2-2XL* or *M2-4XL* EC2 instances
- EBS based storage
- Available in four Amazon regions (datacenters)
 - US East (*Northern Virginia*), US West (*Oregon*), US West (*Northern California*), EU (*Ireland*)

OWLIM@AWS, supported EC2 types

EC2 instance	RAM (GB)	ECU (Cores)	EBS optimised
Micro	0.6	Up to 2	-
M1-S	1.7	1 (1)	-
M1-M	3.75	2 (1)	-
M1-L	7.5	4 (2)	Yes
M1-XL	15	8 (4)	Yes
M3-XL	15	13 (4)	-
M3-2XL	30	26 (8)	-
M2-XL	17.1	6.5 (2)	-
M2-2XL	34.2	13 (4)	-
M2-4XL	68.4	26 (8)	Yes
HC-M	1.7	5 (2)	-
HC-XL	7	20 (8)	-
CC-8XL	60.5	88	-
HMCC-8XL	245	88	-
GPU-4XL	22	33.5 + 2xGPU (Fermi)	-
HIO-4XL	60.5	35	-
HS-8XL	117	35	-

OWLIM@AWS, supported regions



● AWS Regions ○ Amazon Edge Locations (CloudFront & Route 53)

OWLIM@AWS pricing (Feb/2013)

- One-time (setup) fee
 - \$45
- Pay-per-use (hourly) OWLIM charges
 - **\$0.87** (M2-2XL) or **\$1.05** (M2-4XL) per instance hour
- Standard AWS charges (depending on the region)
 - EC2 instance (hours)
 - data transfer between AWS regions or outside of AWS (GB/month)
 - EBS storage charges (GB/month)

HOW TO USE IT

How to use it

1. Go to <https://www.ontotext.com/owlim/owlim-in-the-cloud>
2. Follow the link to DevPay, review prices, place order
3. Get links to OWLIM AMIs in the different regions
4. Launch OWLIM AMI on HM-2XL or HM-4XL instance
5. Configure EC2 instance (e.g. SSH key pairs and security groups)
6. Attach an existing EBS volume, mount filesystem
7. Start OWLIM server process

OWLIM@AWS start page

- <https://www.ontotext.com/owlim/owlim-in-the-cloud>

The screenshot shows the 'OWLIM in the Cloud' page on the Ontotext website. The page features a navigation menu at the top with links for Home, Products, Clients, Research, Partners, and Publications. A sidebar on the left contains links for News, About Us, Vision & Mission, Training, Expertise, Services, Jobs, Contact Us, and Press Kit. The main content area is titled 'OWLIM in the Cloud' and includes the Amazon Web Services logo with the text 'powered by amazon web services' and the OWLIM logo. Below this, a paragraph states: 'You have the opportunity to work with OWLIM in the Amazon Cloud.' A section titled 'Start using OWLIM in the cloud' contains the text: 'To register for Amazon Web Services and start your own OWLIM instance follow this [link](#).' A 'Payment' section follows, stating: 'All payments and billing are handled via "Amazon Payments" system. For any question please use this email application-payments@amazon.com.' Below this is the Amazon Payments logo. A 'Cancellation' section states: 'When you cancel your use of OWLIM in the cloud, access to your product is discontinued immediately by Amazon. You can no longer access any data you have stored with AWS using OWLIM, so please backup your data before cancellation.' A 'Documentation' section states: 'You can find a detailed user guide [here](#).' At the bottom of the page, there is a footer with the Ontotext logo and the text 'Ontotext is a Sirma Group company', a navigation menu with links for Home, Contact Us, My Account, Legal, and a Twitter button, a search bar, and the copyright notice 'Copyright © 2000-2012 Ontotext AD'.

OWLIM@AWS DevPay product



Review the information below, then click "Place your order."

[Place your order](#)

Total due today

One-time charge:	\$45.00
Total:	\$45.00

Payment Method: [Change](#)

MasterCard: *****
Exp: 01/2018

Billing Address: [Change](#)

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Application Information

OWLIM 5.3 (Linux x64)

OWLIM 5.3.5777 on Linux x64

OWLIM 5.3 (Linux x64) Pricing†

One-Time and Monthly Charges

Pricing Dimension	Your Price (\$)
One-Time Charge	45.00

Usage Charges - US East (Northern Virginia) Region

	Data Transfer Type	Your Price (\$)	Details
Data Transfer	GB of data transfer out	0.120	per GB
	GB of regional data transfer in/out	0.010	per GB
USE1-USW1-AWS-Out-Bytes	GB - US East (Northern Virginia) data transfer to US West (Northern California)	0.020	per GB
USE1-USW2-AWS-Out-Bytes	GB - US East (Northern Virginia) data transfer to US West (Oregon)	0.020	per GB
USE1-SAE1-AWS-Out-Bytes	GB - US East (Northern Virginia) data transfer to South America (Sao Paulo)	0.020	per GB
USE1-APN1-AWS-Out-Bytes	GB - US East (Northern Virginia) data transfer to Asia Pacific (Tokyo)	0.020	per GB
USE1-APS1-AWS-Out-Bytes	GB - US East (Northern Virginia) data transfer to Asia Pacific (Singapore)	0.020	per GB
USE1-APS2-AWS-Out-Bytes	GB - US East (Northern Virginia) data transfer to Asia Pacific (Sydney)	0.020	per GB
USE1-EU-AWS-Out-Bytes	GB - US East (Northern Virginia) data transfer to EU (Ireland)	0.020	per GB
USE1-CloudFront-Out-Bytes	GB data transfer out of US East (Northern Virginia) to CloudFront	0.020	per GB
Instance		Your Price (\$)	Details




EC2 instance launching

Request Instances Wizard

Cancel

CHOOSE AN AMI INSTANCE DETAILS CREATE KEY PAIR CONFIGURE FIREWALL **REVIEW**

Please review the information below, then click **Launch**.

AMI:  Other Linux AMI ID ami-a251db92 (x86_64) [Edit AMI](#)

Number of Instances: 1

Availability Zone:

Instance Type:

Instance Class: On Demand [Edit Instance Details](#)

EBS-Optimized:

Monitoring: Disabled **Termination Protection:** Disabled

Tenancy: Default

Kernel ID: Use Default

RAM Disk ID: Use Default

Network Interfaces:


Secondary IP Addresses:

User Data:

IAM Role: [Edit Advanced Details](#)

Key Pair Name: [Edit Key Pair](#)

Security Group(s): [Edit Firewall](#)

[< Back](#) 

FUTURE PLANS

Future plans

- OWLIM Enterprise Edition clusters available on AWS
- Windows based AMIs
- Support for additional EC2 types
- Deploy in South America, Asia and Australia regions
- Subscriptions and more pricing plans
- Hosted LOD datasets as EBS snapshots ready to use with OWLIM
- Deployment on Windows Azure

Useful links

- OWLIM@AWS start page – <https://www.ontotext.com/owlim/owlim-in-the-cloud>
- OWLIM@AWS User Guide (available on the start page)
- Support & troubleshooting (OWLIM mail list) – <http://ontomail.semdata.org/cgi-bin/mailman/listinfo/owlim-discussion>

QUESTIONS?