The European Open Source Market Place

Yes we are open!

20 April 2016
Cedric Thomas

AppHub has received funding from the European Union Horizon 2020 Research and innovation programme
Overview

What AppHub is about
The AppHub project at a glance

- Collaborative and Support Action
- H2020
- Partners:
  - Fraunhofer FOKUS (Research organisation, Coordinator)
  - OW2 (Open Source Community)
  - UshareSoft (Technology and Service Vendor)

www.apphub.eu.com
> The freedom to run the software for any purpose
0> The freedom to run the software for any purpose

1> The freedom to study how the software works and to adapt it to your needs
0> The freedom to **run** the software for any purpose

1> The freedom to **study** how the software works and to adapt it to your needs

2> The freedom to **redistribute** copies of the software
0> The freedom to **run** the software for any purpose

1> The freedom to **study** how the software works and to adapt it to your needs

2> The freedom to **redistribute** copies of the software

3> The freedom to **improve** the software and distribute your improvements to the public
AppHub's mission

- AppHub addresses the **delivery challenge** of EU-supported OSS
- Bridging OSS SMEs and Collaborative projects with the mainstream **market**
AppHub facilitates the dissemination of your open source software assets

Producer

AppHub

Provider

Consumer
AppHub.Directory

Open interoperability framework: Taxonomy for open source assets

Describe and classify
Open interoperability framework: Taxonomy for open source assets

AppHub.Directory

Packaging versiononing publishing

AppHub.Factory

Provider
IaaS Cloud Provider

Producer
Developer of open source software

Describe and classify

Upload or link
Open interoperability framework:
Taxonomy for open source assets

AppHub.Directory

AppHub.Factory
Packaging versiononing publishing

AppHub.Store
Market Place

Provider
IaaS Cloud Provider

Consumer
User and Integrators of open source software

Producer
Developer of open source software

Describe and classify
Upload or link

Browse, compare and select
Deploy
Now let's see what it looks like
Creating an Asset

- [https://github.com/llbit/ow2-asm](https://github.com/llbit/ow2-asm)
- ObjectWeb ASM - bytecode verifier and utilities
- [http://asm.ow2.org/index.html](http://asm.ow2.org/index.html)
AppHub Directory

/ Projects

What are Projects?
Projects act like publishing departments for Open Source Assets. This means that Open Source Assets can be published by and belong to a project instead of an individual user.

Add Project

Search projects...

55 projects found

Order by: Name Ascending

4CaaSt
Building the PaaS Cloud of the Future
The 4CaaSt project aims to create a PaaS Cloud platform which supports the...
1 Open Source Asset

Aeolus
The main objective of the Aeolus project is to tackle the scientific problems...
0 Open Source Assets

BETaaS
Advanced software-as-a-service for businesses...

Apex
Advanced software platform...

Apache Syncope
Apache Syncope is an Open Source system for managing...
Create a Project

MyAppHubDemo
A comprehensive demo of the AppHub Market Place read more

Title: MyAppHubDemo
URL: directory.apphub.eu.com/organization/myapphubdemo
Description: A comprehensive demo of the AppHub Market Place
Image URL: v.apphub.eu.com/bin/download/ColorThemes/DefaultColorTheme/logo_tagline.png
Acronym: 
Web Page: http://example.com
Beginning Date: 2012-01-01
End Date: 2012-01-05
Contact Person: 
Contact Email: 
Add an Asset

Provide info from your Website
Fill in the Form

1. What's a resource?
   A resource can be any file or link to a file containing useful data.

2. Create Open Source Asset
   - Link to a file
   - Link to an API
   - Resource: https://github.com/llbit/ow2-asm
   - Name: ASM source code on github
   - Description: ASM: a very small and fast Java bytecode manipulation framework

3. Add data
   - Format: eg. CSV, XML or JSON
   - You can use Markdown formatting here

Next: Additional Info
The Asset is Created

ASMdemo

ASM is an all purpose Java bytecode manipulation and analysis framework. It can be used to modify existing classes or dynamically generate classes, directly in binary form. Provided common transformations and analysis algorithms allow to easily assemble custom complex transformations and code analysis tools.

Information

Author: E. Bruneton
Type of Asset: Software
Apphub Deployable: True
State: active

Tags

Google +1  Tweet  Facebook
The Asset is Imported in the Factory
## Preparing the Appliance Template

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>appliance template name</td>
</tr>
<tr>
<td>Version</td>
<td>appliance version, e.g. 1.0</td>
</tr>
<tr>
<td>Org</td>
<td>apphub</td>
</tr>
<tr>
<td>Distribution</td>
<td>CentOS</td>
</tr>
<tr>
<td>OS Release</td>
<td>6</td>
</tr>
<tr>
<td>OS Architecture</td>
<td>x86_64</td>
</tr>
</tbody>
</table>
Selecting Cloud Platforms
Generating the Template

ASM appliance template 5.0 r23

Generate a Machine Image for OpenStack

Name: ASM appliance template
Version: 5.0 r23

- [ ] compress this image after generation?

⚠ To download this image you will have to compress it, however when publishing to a cloud platform this will take longer.

Configuration

- Maximum Disk Size (MB): 12288
AppHub checks the Template
Appliance Template Ready
Now on the Store
Here it is Ready on the Store
ASM is an all purpose Java bytecode manipulation and analysis framework. It can be used to modify existing classes or dynamically generate classes, directly in binary form. Provided common transformations and analysis algorithms allow to easily assemble custom complex transformations and code analysis tools.

The Project Page

Download from here

Product Resources
ASM on AppHub Directory
And Yes, it's Free!
Now it's your turn
Set up your project on AppHub