

Deploying the ATLAS Metadata Interface (AMI) on the cloud with Jenkins

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The ATLAS Metadata Interface (AMI) is a mature application of more than 15 years of existence. Mainly used by the ATLAS experiment at CERN, it consists of a very generic tool ecosystem for metadata aggregation and cataloguing. AMI is used by the ATLAS production system, therefore the service must guarantee a high level of availability. We describe our monitoring system and the Jenkins-based strategy used to dynamically test and deploy cloud OpenStack nodes on demand. Moreover, we describe how to switch to a distant replica in case of downtime.

Tertiary Keyword (Optional)

Computing middleware

Secondary Keyword (Optional)

Databases

Primary Keyword (Mandatory)

Cloud technologies

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