

Developing an ecosystem of a framework, platform and application of next generation trustworthy cloud services on top of a European & Brazilian hybrid and federated resource pool

ATMOSPHERE TECHNICAL ASSETS



Fogbow

Fogbow allows the creation of private networks spanning multiple cloud providers, as well as virtual machines that can be attached to the federated networks created by the service.

<https://www.atmosphere-eubrazil.eu/fogbow>



ATMOSPHERE Performance Prediction for increasing cloud service trustworthiness

The ATMOSPHERE provides descriptive and predictive data analytics techniques to monitor the performance of cloud trustworthiness levels.

www.atmosphere-eubrazil.eu/performance-prediction-increasing-cloud-service-trustworthiness



IM-TOSCA

IM-TOSCA is an Orchestration and DevOps service for deployment of complex application topologies described in TOSCA, which supports the development of data processing services and integration in cloud-enabled applications.

www.atmosphere-eubrazil.eu/im-tosca



DNAT - Data and Application Tracking

DNAT is a platform for tracking usage of data and code in a transparent and robust fashion. It includes mechanisms for specifying access restriction and persisting metadata and access history using blockchain technologies. DNAT may be used to enforce properties such as confidentiality and revocation by leveraging tools such as SCONE.

www.atmosphere-eubrazil.eu/data-and-application-tracking



Lemonade - Trustworthy Data Processing Services and Development Library

Lemonade, a rich web interface which is both accessible to learners and powerful to experts, comprises more than 30 different operations of data mining, machine learning and extraction, transformation and loading of data, capable of processing Big Data.

www.atmosphere-eubrazil.eu/lemonade-trustworthy-data-processing-services-and-development-library

ATMOSPHERE TECHNICAL ASSETS



TMA - Trustworthiness Assessment and Monitoring Framework

TMA is a trustworthiness monitoring and assessment solution, with an overall trustworthiness framework. It includes the measurement and analysis services for the continuous assessment of the trustworthiness metrics based on the monitored data.

www.atmosphere-eubrazil.eu/trustworthiness-assessment-and-monitoring-framework



RHD screening AI tool

The RHD screening AI tool is a Trustworthy Medical Imaging Processing service in the cloud & Post-processing pipelines, that computing the score of trustworthiness of resources, services, components or applications based on the relevant trustworthiness properties and their metrics.

<https://www.atmosphere-eubrazil.eu/rhd-screening-ai-tool>



SCONE - Secure Container Orchestration

SCONE is a platform that enables applications running distributed on different administrative domains to be attested and validated, preventing modification from being unnoticed.

www.atmosphere-eubrazil.eu/scone-secure-container-orchestration

ATMOSPHERE supports an entirely new spectrum of trustworthy cloud service usable by a diverse set of organisations



*Open Source
Communities*



*Startups, SMEs
and IT Vendors*



*Cloud Service
Providers*



*Software development
professionals*



ICT Policy Makers



Health data services

Stay connected with ATMOSPHERE

atmosphere-eubrazil.eu

contact@atmosphere-eubrazil.eu

[@AtmosphereEUBR](https://twitter.com/AtmosphereEUBR)

[in /in/atmosphere/](https://in.linkedin.com/company/atmosphere/)



MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA,
INOVAÇÕES E COMUNICAÇÕES



ATMOSPHERE is funded by the European Commission under the Cooperation Programme, Horizon 2020 grant agreement No 777154.

Este projeto é resultante da 4ª Chamada Coordenada BR-UE em Tecnologias da Informação e Comunicação (TIC), anunciada pela Rede Nacional de Ensino e Pesquisa (RNP) e pelo Ministério da Ciência, Tecnologia, Inovações e Comunicações (MCTIC), no âmbito do acordo de cooperação Número 51119.