



# The PANACEA project is successfully completed after 2 years and half journey

**ATOS will integrate some of PANACEA´s most innovative features into its Data Analytics as a Service DAaaS platform**

**Madrid, March 31<sup>st</sup>, 2016.** The PANACEA project, an initiative co-financed by the European Commission under the 7<sup>th</sup> Framework Programme in 2013, has reached the end of the funding period achieving all its set goals.

The potential impact of the achievements of **PANACEA**, which **provides Proactive Autonomic Management of Cloud Resources**, in the industrial world is considerable, especially for those enterprises whose revenue model is based on delivering services (IT and networking) to their customers. According to an IDC report<sup>1</sup> published last year, the **average total cost of unplanned application downtime per year is ranged from \$1.25 billion to \$2.25 billion**. This report delves deeper into these figures by differentiating between infrastructure and application failure costs. It estimates the average **cost of infrastructure failure in \$100.000 per hour** while the average **cost for critical application failure can reach costs ranging from \$500.000 to \$1 million per hour**.

These figures were significant enough to led ATOS, a European leader in the provisioning of IT services, to heavily bet on PANACEA and its potential benefits. The main reference of this bet is the contribution to the project of a use case based on its Data Analytics Cloud Service. The **Data Analytics as a Service (DAaaS)** platform is an extensible analytical and Hadoop-based solution provided using a cloud-based delivery model, where various tools for data analytics are available and can be configured by the user to efficiently process and analyze huge quantities of heterogeneous data.

This **DAaaS** is an important part of **Industrial Data Analytics (IDA)** platform, a joint Research & Development program by Atos and Siemens (50 million euros investment) that aims at supporting customers during the discovery phase of their business analytics investments.

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<sup>1</sup> <http://info.appdynamics.com/DC-Report-DevOps-and-the-Cost-of-Downtime.html>



# Press release

As every cloud service, this platform is subject to the limitations and risks of the current cloud environment. However, thanks to the achieved goals and innovative research done in PANACEA, the ATOS' DAaaS platform will extend its features and added-values by including the self-\* capabilities like:

- **Self-healing:** which predicts failures before they occur and allows taking the required actions in advance, preventing from performance degradations.
- **Self-configuring:** which allows to easily add or remove computational resources when necessary, thus avoiding the overprovisioning and consequently, reducing the operational expenses (OPEX).
- **Self-optimizing:** using the autonomic job allocation and the overlay network provided by PANACEA to improve end-user experience by avoiding bad performances due servers overload or network delays.

These capabilities provide an important added-value for ATOS Data Analytics offering, and will be exploited through **Canopy**, the Atos Cloud.

For more information about PANACEA of the DAaaS use case, please visit the project's website at <http://panacea-cloud.eu> or follow us on Twitter ([http://twitter.com/PANACEA\\_EU](http://twitter.com/PANACEA_EU)).

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