



Context-Aware Cloud Topology
Optimisation and Simulation

Dissemination & Collaboration Report & Newsletter

Project Deliverable D2.3.1

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	PP	Restricted to other programme participants (including the Commission Services)
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Version History

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EXECUTIVE SUMMARY

This deliverable will provide an update on the CACTOS Dissemination and Collaboration Strategy laid out in D2.2.



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I. INTRODUCTION

Dissemination of the CACTOS project results to core target audiences is critical to the success of the project. In order to obtain and sustain an impactful dissemination process, annual reporting will be essential to make sure that results and feedback are correctly gathered, assessed and incorporated into the project dissemination strategy. In this way the strategy is a responsive and sustainable entity that is continually flexible to the market that CACTOS is working in. This deliverable is the latest iteration of this process and will be again updated in M24 with deliverable D2.3.2.

1. DISSEMINATION AND COLLABORATION OBJECTIVES

a) OVERVIEW

Dissemination of project results is paramount in the CACTOS project because effective impact can be realized only if there is a vast consensus between the scientific and industrial communities about the concepts developed by the project. Advances will be disseminated in the research community and key stakeholders via several channels.

b) KEY AREAS

The CACTOS strategy covers five main areas of dissemination activity and three main areas of collaboration:

- Scientific dissemination. The consortium has identified the major events where the project results can be disseminated. The main conferences for dissemination are listed in below.
- Internal dissemination (seminars, technical meetings, WP activity, mobility exchanges, etc.) will be constantly running throughout the project. Besides articles and conference presentations, factsheets and posters will disseminate the CACTOS approach in scientific meetings worldwide.
- Dissemination in Data Centre Managers Events and Associations. Members are engaged in the relevant communities such as DMTF (UULM), NESSI (UMU) and others. Potential contributions from CACTOS are related to the WBEM and Monitoring Standards of DMTF. Specific potential contributions to CAMP will be identified if the objectives and concrete goals of CAMP are more matured
- Dissemination to the public and dissemination materials. Part of the services of Ulm University computing centre (UULM) is the design, planning and printing of dissemination material and multimedia solutions. For this reason no external printing and design costs are necessary and will be charged at internal cost.
- Horizontal collaboration at European project level. Horizontal activities will include collaboration with on-going FP7 projects (in particular in the area of Cloud Computing but also the Data Centre community at large in terms of energy efficiency and programming models). As stated in the State of the Art section B1.2 of the DoW, CACTOS will benefit from the previous direct participation of its members in related recent and on-going projects, and this will definitely help find relevant synergies and exchange of knowledge.



- Horizontal collaboration at partner level. The activities will include collaboration with partners outside of the CACTOS consortium. This allows identifying synergies, eliciting further valuable additional requirements, community building, and knowledge exchange.
- Vertical collaboration with other initiatives in order to raise awareness of CACTOS results in the community. The consortium commits to participating with the appropriate resources to coordination and collaboration activities organized by the European Commission at unit and directorate level.

Dissemination aims at increasing the awareness about the CACTOS project, but also to gather feedback from other projects and related communities, as well as to ensure that the project remains closely linked to the state of the art.

2. CACTOS IMPACT

The following table, first introduced in the DoW, lays out the critical areas for CACTOS project dissemination. It sets out: the goals for the dissemination strategy; the Target Quantity to be obtained by M36, and the Quantity Achieved by this stage in the project (M12).

Dissemination Goal	Target Quantity (M36)	Quantity achieved (M12)
Publications (Scientific Target Group)		
Papers at scientific conferences appearing in proceedings	15	1 (eChallenges 2014), Umea also have a paper being prepared for publication in October
Publications (Technically interested community at large)		
CACTOS White papers	2	
Press Releases	4	1
Web Site visits	800 p.a. with 1/3 spending more than 2 minutes on the site	This is explored in detail in section 3.2
Social Media Presence	Established groups in at least 2 networks (e.g. LinkedIn, Twitter) with bi-weekly updates	This is explored in detail in section 3.1
Industrial		
Meetings with Business Units/Commercial Staff within the industrial partners organisations	At least one every 6 months	1 (NMI) with the intention that these will take place once have a prototype in place.
Demonstrations of the prototypes at an industry dominated event	2	See above
Collaboration		
Bi-lateral collaboration with another project working in the field established	Measured by existing exchange of knowledge and/or models or implementations. CACTOS is designed to achieve its goals standalone so target is 0 but collaboration and exploiting synergies is a clear CACTOS target	1. See below for further details regarding collaboration plans.
Joint publication, workshop or standardisation attempt with another group (industrial or research) in order to increase visibility	1	None have yet taken place but it is intended this will take place later on in the project cycle





II. CACTOS' DISSEMINATION STRATEGY

1. CONSORTIUM-WIDE STRATEGY

The importance to have targeted dissemination activities follows an overall dissemination strategy that updates early in the project the already identified target groups (Data Centre Operators, Cloud Middleware developers, Cloud Application Developers), finds the most appropriate means to target them and defines the level of interaction that is necessary over time from awareness to understanding up to action/collaboration. This is of similar importance for the academic/scientific dissemination as well as for the supporting dissemination activities to the exploitation. With all stakeholders of the value chain within the consortium (Infrastructure Operators, Application Developers/Providers as well as in close connection to potential users of the infrastructure) there is already a clear potential of intrinsic exploitation but to reach out for the community at large as basis for the exploitation strategy an increased awareness and understanding is the pre-condition.

2. DISSEMINATION INTENTIONS

a) UULM

The primary concern of UULM as coordinator will be to drive Awareness about CACTOS to the general public and the media through presentations and white papers. All partners will contribute to this goal by placing reference to the projects on their company/institute web site, giving presentations and talks about the project, contributing to coordinated press releases in European and also in localised language on a national level. All partners contribute to white papers summarizing the project results over the project lifetime to target not only specialist but a larger technically interested community. The anticipated impact is to deliver positive news stories about EU funding to local and European audiences and to raise the awareness and support for EU funded ICT research for different stakeholders such as companies, SMEs and academic institutions. UULM will take on the role of Collaboration Manager and will be responsible for producing the project wiki. As part of WP2 UULM will also take the lead in updating the project poster as the project progresses.

b) REALTECH

REALTECH's goal is to address new markets with functionalities of Cactos integrated in its mature system management product portfolio and to gain more visibility being one of the early adopters when it comes to managing clouds and virtualised IT landscapes.

REALTECH's dissemination activities will focus on two different target groups:

- Data center and Cloud provider
- Enterprise customers with huge data centers

REALTECH will take on the role of Exploitation Manager and will organise the hosting of WP2 Telco meetings along with QUB. REALTECH intend to assist FLEX in producing and maintaining the CACTOS Market Watch report and will assist FLEX in producing and maintain this Dissemination and Collaboration Plan.



c) THE QUEEN'S UNIVERSITY

The core goal of the QUB dissemination will be fostering dialogue with Cloud Middleware Providers and Developers. The integration of the developed algorithms and solutions within at least one Cloud Middleware is crucial for its uptake. In order to increase its impact the integration in additional middleware and/or its use at Data Centres hosting Clouds beyond the consortium should be a targeted and as such it is vital that this form a core part of the project dissemination strategy. This activity will directly target Cloud Middleware Provider/Developer, Cloud Infrastructure Operators and may involve meetings in small groups potentially under NDAs (Non disclosure Agreements). QUB will organise the hosting of WP2 Telco meetings along with REALTECH.

QUB will distribute press releases through the university to Local and national papers. Aim is to raise awareness of topic and research and Queen's contribution to international project. Regular Update through School website <http://www.qub.ac.uk/schools/eeecs/>. This also feeds through to twitter activity. QUB propose to run a stream at the Multidisciplinary International Scheduling Conference to be held in Prague August 2015 (<http://www.schedulingconference.org/>). As Co-chair of this conference series, this is an excellent opportunity to alert and expose the project to researchers in the scheduling community. QUB will present CACTOS at the eScience Conference in Belfast (24th annual eChallenges, e-2014 Conference & Exhibition takes place in Belfast, Northern Ireland from 29 - 31 October 2014).

d) FLEXIANT LIMITED

FLEX will take the role of Dissemination Manager. They will be responsible for designing, producing and maintaining the website and registration of the domain name. They will setup and manage Web 2.0 channels that will be used to promote the CACTOS project and engage with the CACTOS target audience. FLEX will coordinate, edit and schedule blog and news content for the CACTOS website. This content is to be provided by all partners. FLEX will be responsible for generating reports and updating the project wiki with social media and website analytics. They will be responsible for producing and maintaining this Dissemination and Collaboration plan as well as producing and updating the CACTOS Communications Plan. In addition to this FLEX will produce the initial project poster as well as producing and maintaining the project presentations. Flexiant will also produce the project poster.

Flexiant will champion dialogue with Cloud Infrastructure Operators as a key part of their individual dissemination strategy. The amount of data available has a clear influence on the quality of the prediction models and the simulation. As a result increasing the data basis by convincing other data centre operators to collect traces and share data with the consortium would be beneficial. Cloud Infrastructure Operators will be directly targeted through meetings under NDA, commercially-oriented fairs and Collaboration with other Cloud Projects.

e) UMU

UMU will take on the role of Scientific Paper Coordinator for the project. In addition to provisioning content for the website and creating content for social media channels they will assist FZI with updating the factsheet and flyer as the project progresses.



f) FZI

FZI will produce the CACTOS project flyer and will assist in updating the project factsheet as the project develops. FZI will also provision content for the website and along with other project partners produce social media content (Tweets, posts on LinkedIn etc.). FZI provides a Subversion repository as basic service for enabling the dissemination for each and between all partners. We will contribute and assist UULM in creating white papers for creating interest in a broader but technically interested community. We published a press release on the project raising awareness and support for EU funded ICT research. We will use our close collaboration with the chair on Software Design and Quality at the KIT to raise awareness in the academic world and introduce students to the state of the art in lectures. Spreading our ideas among students allows us to get into contact and makes it likely that they'll use our approach later on in industry. As academic partner, we plan to publish our academic research results, preferably joined with other partners, at appropriate venues in journals, conferences, workshops, and provide tool demonstrations. Targeted venues are COMPARCH, SEAA, ICSE, ESEC/FSE, WICSA/ECSA, ASE, MODELS, ICPE, FESCA, WCOP, FACS, and for IDE and technical results Eclipse Con. We will leverage our established cooperation with researches and industry to promote CACTOS and Open Source solutions.

g) DCU

DCU will actively participate in the provision of content for the website. In addition, they will both contribute and lead the publication of novel scientific results in high quality peer-reviewed journals, conference papers and workshops throughout the duration of the project. They have also produced, and will continue to produce material for white papers, fact sheets, and contribute to posters, presentations and press releases related to CACTOS. They will participate in producing social media content (Tweets, posts on LinkedIn etc.) for the duration of the project.



III. DISSEMINATION SUPPORT

1. WEB PRESENCE

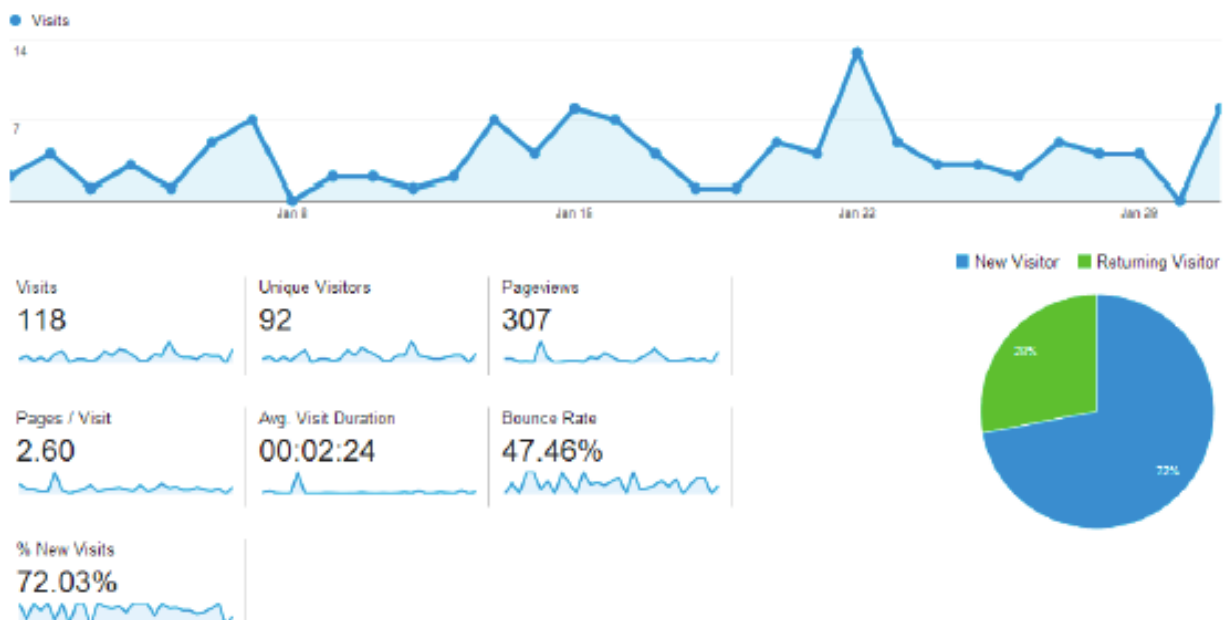
Our chief web presence for CACTOS is the website (www.cactosfp7.eu). What follows here is an analysis of the websites growth and visitor number rates since the site went live in December.

a) CACTOS HOMEPAGE

January 2014 site statistics

Throughout December the CACTOS FP7 website has received 118 (+5 since December 2013) visits. 92 unique visitors to the site were recorded with 307 unique page views.

Traffic from CACTOS's partners has been removed from these numbers.



February 2014 site statistics

Throughout February the CACTOS FP7 website has received 167 (+49 since January 2014) visits. 111 unique visitors to the site were recorded with 513 unique page views.

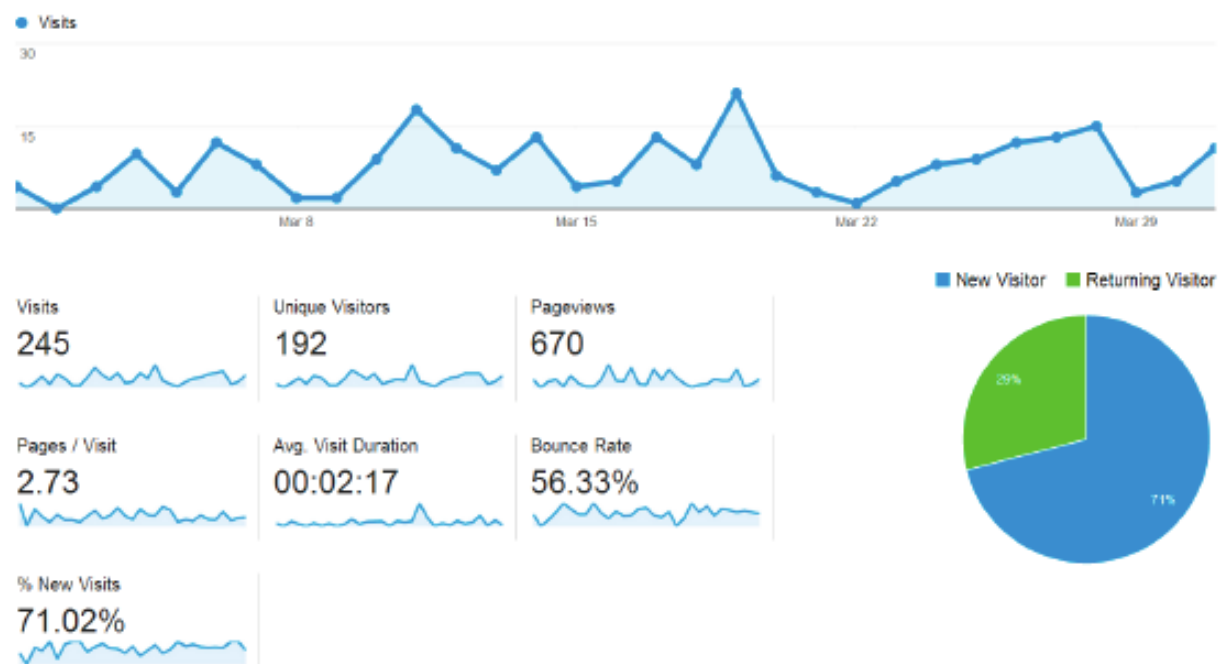
Traffic from CACTOS's partners has been removed from these numbers.



March 2014 site statistics

Throughout March the CACTOS FP7 website has received 245 (+78 since February 2014) visits. 192 unique visitors to the site were recorded with 670 unique page views.

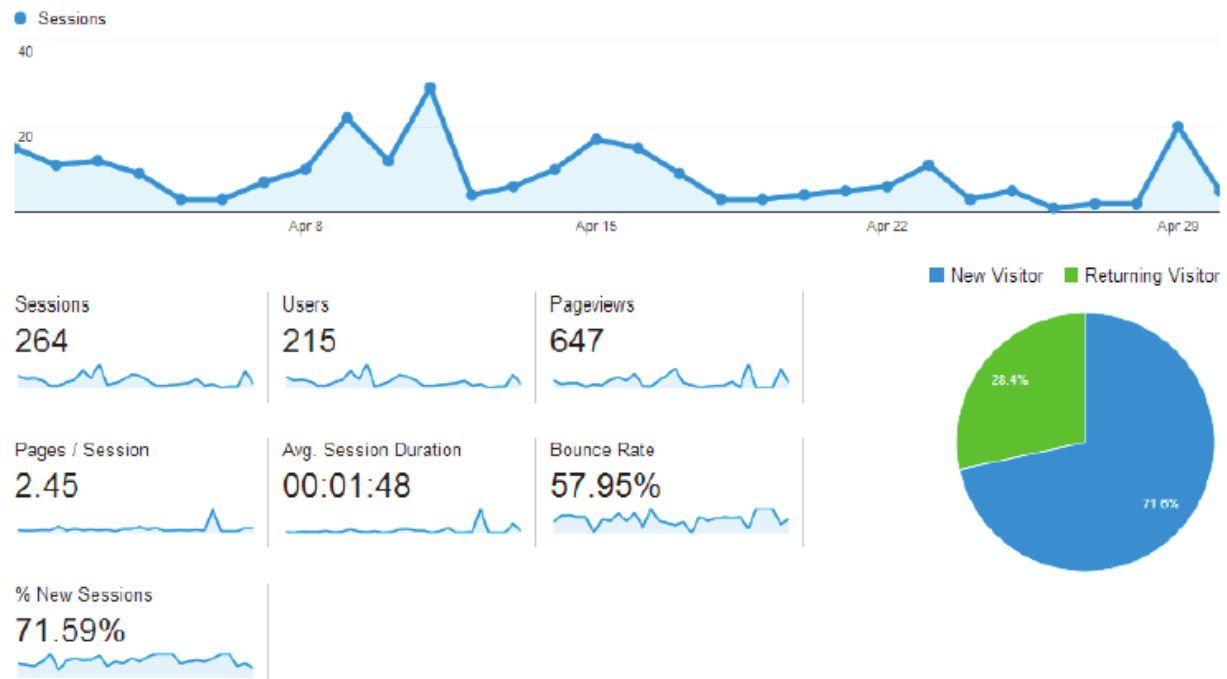
Traffic from CACTOS's partners has been removed from these numbers.



April 2014 site statistics

Throughout April the CACTOS FP7 website has received 245 (+78 since February 2014) visits. 192 unique visitors to the site were recorded with 670 unique page views.

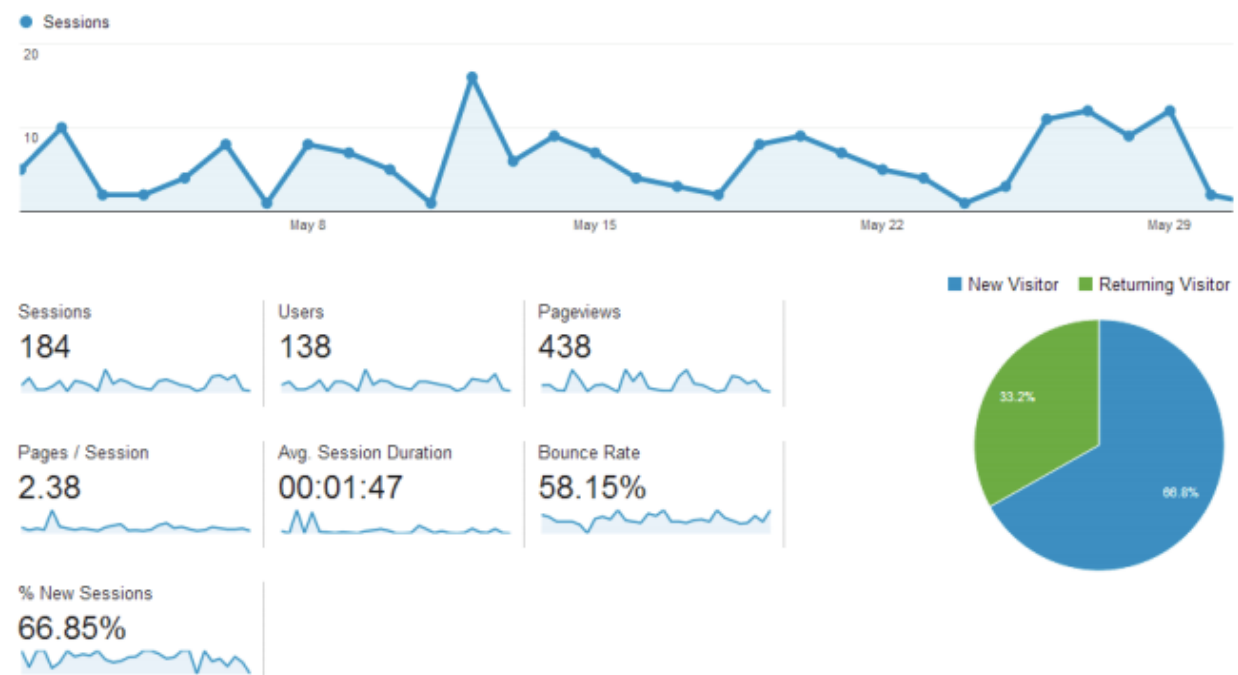
Traffic from CACTOS's partners has been removed from these numbers.



May 2014 site statistics

Throughout May the CACTOS FP7 website has received 184 (-51 since April 2014) visits. 138 unique visitors to the site were recorded with 438 unique page views.

Traffic from CACTOS's partners has been removed from these numbers.



June 2014 site statistics

Throughout June the CACTOS FP7 website has received 220 (+36 since May 2014) visits. 171 unique visitors to the site were recorded with 606 unique page views.

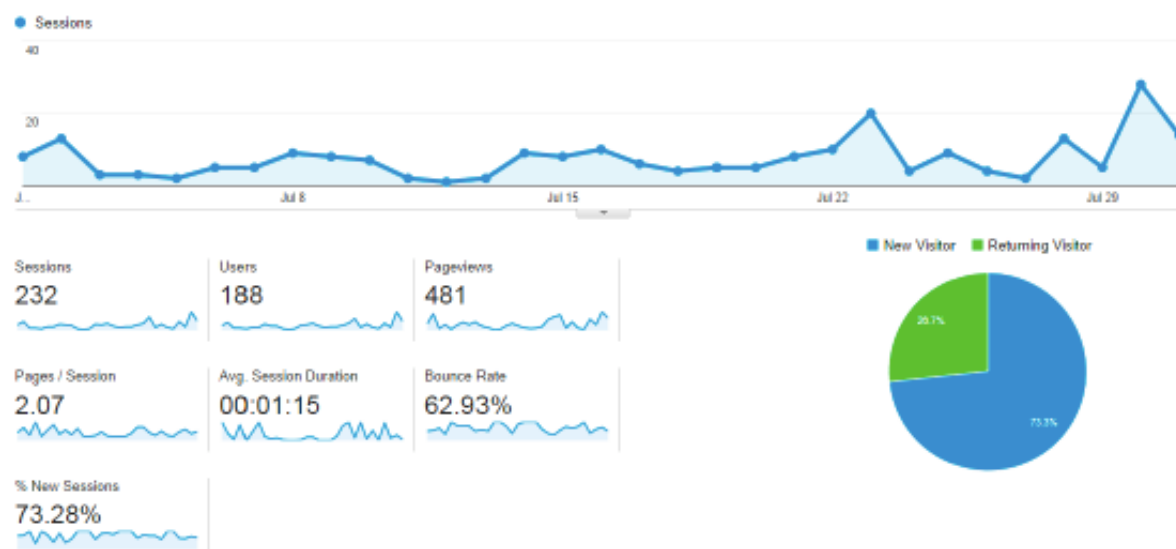
Traffic from CACTOS's partners has been removed from these numbers.



July 2014 site statistics

Throughout July the CACTOS FP7 website has received 232 (+12 since June 2014) visits. 188 unique visitors to the site were recorded with 481 unique page views.

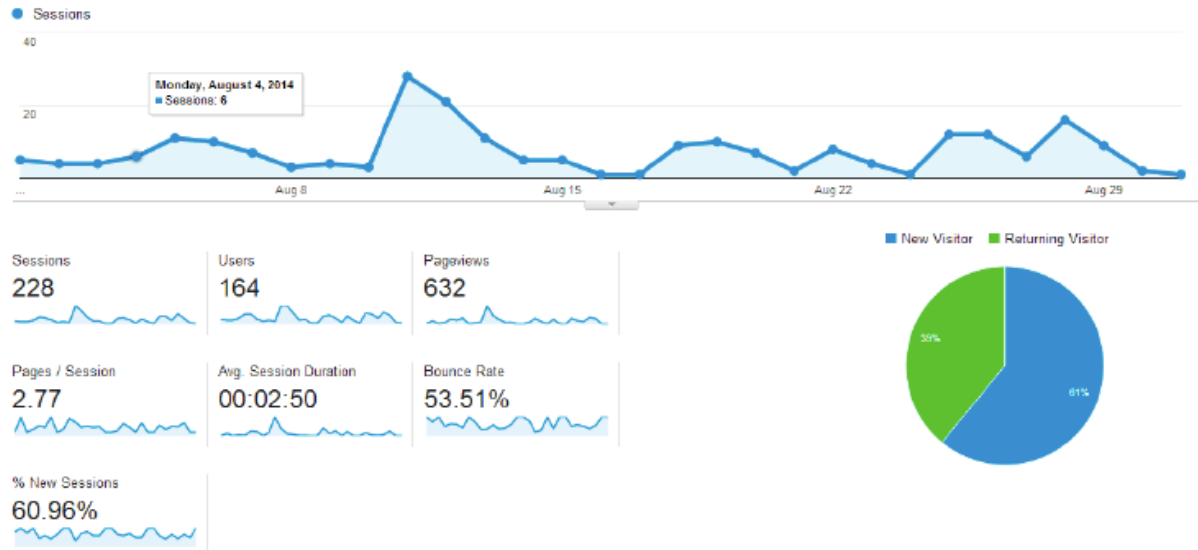
Traffic from CACTOS's partners has been removed from these numbers.



August 2014 site statistics

Throughout July the CACTOS FP7 website has received 228 (-4 since JULY 2014) visits. 164 unique visitors to the site were recorded with 632 unique page views.

Traffic from CACTOS's partners has been removed from these numbers.



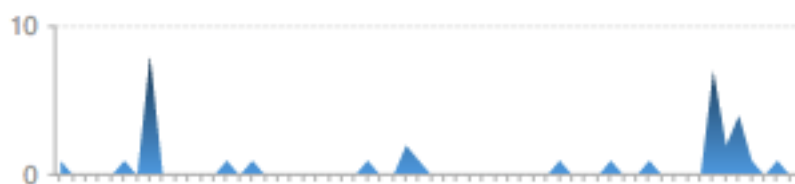
Overall page view for the site are now over 600 per month. This is double what the figures were at launch and suggest an increase in project visibility. What is also encouraging is that the amount of time each session involves on the site would indicate that the content we are producing is engaging our audience.

b) LINKEDIN

<http://www.linkedin.com/groups/CACTOS-FP7>

It was decided that in order to maximize the dissemination of the CACTOS software release LinkedIn would be used as a news outlet, or newsletter format. The CACTOS LinkedIn contains identified individuals who conform to the target audiences we have identified and we will target these individuals using this method.

NEW MEMBERS



TOTAL MEMBERS



Figure 1: Growth of the CACTOS LinkedIn group has been steady since the start of the project

Currently we have 33 members in the CACTOS group with a spike in growth coming recently as we identified a strong need to increase member numbers after discussion of using the platform for dissemination of news items.

c) FACEBOOK

<https://www.facebook.com/cactosfp7>

CACTOS | Karlsruhe Plenary Meeting | Day One (7 photos)

Day one of our plenary meeting was focused on developing our technical understanding of the results from across the CACTOS work packages in order to identify common technical challenges and clarify how they can be tackled by working together. — In Karlsruhe, Germany.



Figure 2: The CACTOS Facebook page has been successfully used to encourage internal dissemination among project partners and to engage in sharing insights and relevant content among the consortium



Cactus shared a link.

Posted by Maximo Fernando Domingo Banguera [?] · March 10

Looking forward to this week's Concertation Meeting. Hoping to kick start some great project collaborations!



Concertation Meeting - E2 Software & Services, Cloud Computing | Towards an interoperable...
www.cloudwatchhub.eu

The aim of this concertation meeting is to promote collaboration and exchange among the projects from Unit E2 (calls 5, 8 & 10, CIP and EU-Japan).

Like · Comment · Share



Figure 3: We have shared relevant information from Support Actions via our CACTOS page



Cactus shared a link.

January 27

In our latest blog we take a look at Cactus project partner FZI, who will have their main focus on developing the context-aware cloud topology optimization toolkit aka the CACTOS toolkit and integrating it into a cloud middleware product. FZI will also help in testing the toolkits in the different testbeds related to the CACTOS project.



CACTOS Partner Profile #6 – FZI
www.cactosp7.eu

The FZI Research Center for Information Technology at the Karlsruhe Institute of Technology is a non-profit institution for applied research in information technology and technology transfer. Its task is to provide businesses

Like · Comment · Share

Figure 4: We have used Facebook so far to share our project content such as blogs

d) GOOGLE+

<http://Bit.ly/CACTOPSgplus>

The CACTOS Google+ page has had 12,931 views since it was created in November 2012. It currently has 17 followers. This may be a consequence of the reach that Twitter has as a public platform by comparison or the possibility that the relevant target audiences we have identified are not being reached via our current dissemination strategy on this platform. We will review our processes and look to increase the impact we are having on this platform going into year 2. Since we identified



these issues we have seen an increase in engagement with the number of pages views increasing over the last 30 days.

e) TWITTER

<https://twitter.com/cactosp7>

FLEXIANT will administrate the CACTOS Twitter account, updating it with relevant content from the project website. It is hoped that all project partners will contribute by sharing this content via their company/organization Twitter accounts and providing relevant content to be scheduled. In addition project partners will be given login details in order to perform tweeting during events and at relevant points in the project.

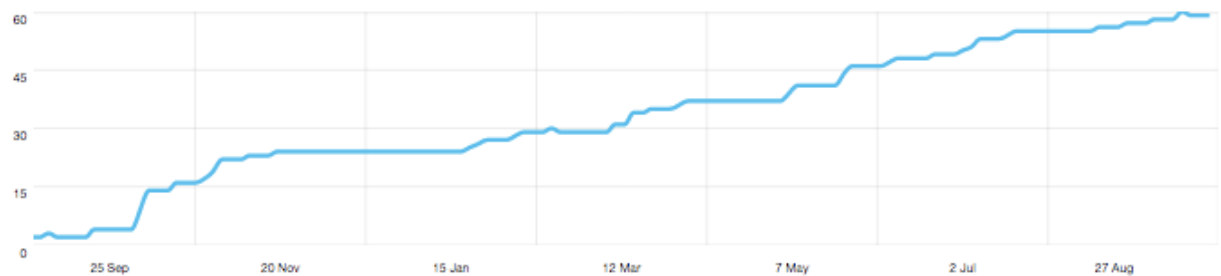


Figure 5: The increase of Twitter followers over the last 12 months

We can see that there has been a steady increase in the number of Twitter followers to the CACTOS account since it was setup in 2013. It is clear that the interested groups that follow us are in our target demographic, which demonstrates we are successfully building a platform with which reach our target markets.



Figure 6: The relevant interests of the CACTOS Twitter followers

Looking at the top 5 unique interests of Twitter accounts following us we can see that Data Centres, at 27% and Computer programming at 61% both fall into the target demographic we have laid out in D2.5.1 and will look to expose to the results of the CACTOS project.

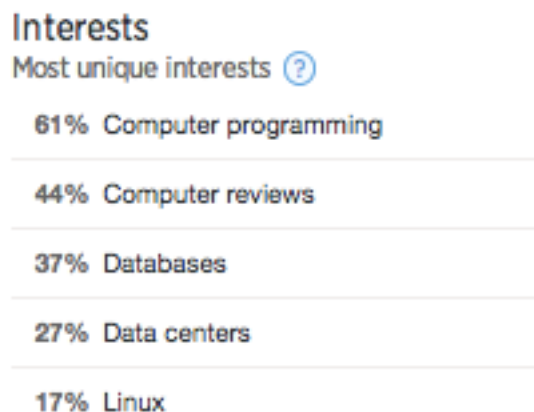


Figure 7: Top five unique interests of the CACTOS Twitter followers

2. MEDIA GENERATION

a) POSTER AND PRESENTATION MATERIALS

A project presentation has already been produced and is available in the Subversion repository as well as on the project website. Moving into year two it will be crucial to use clear messaging to promote the CACTOS solution to the core target markets identified in D2.5.1.



This will take the form of blogs, community engagement and printed material using up-to-date graphics and display the key selling points of the CACTOS solution as identified in D2.5.1 and seeking target the relevant actors with branded CACTOS material through the relevant channels.

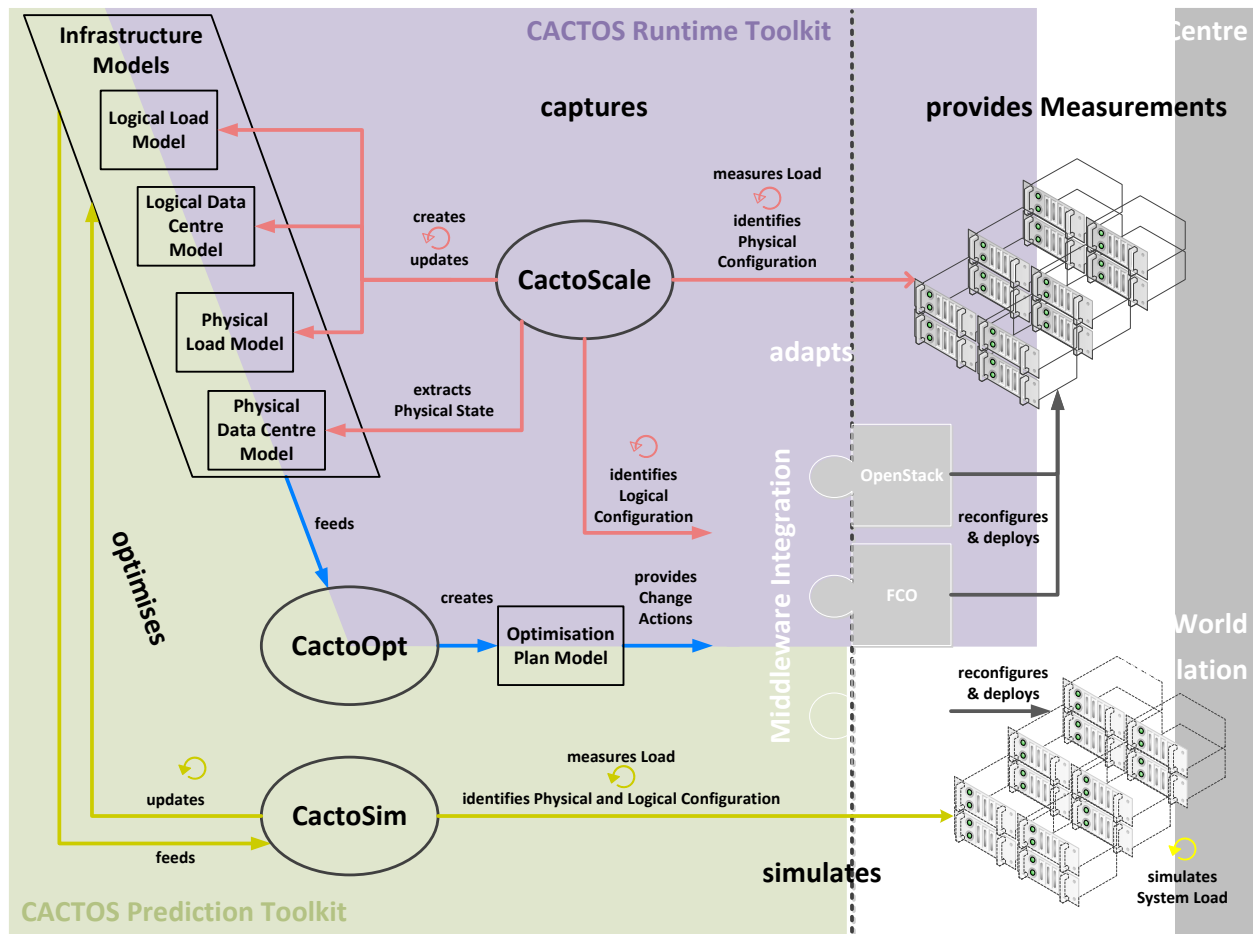


Figure 8: The CACTOS toolkit will play a critical role in the next phase of dissemination for the project

b) BLOGS

The CACTOS blog has been our main dissemination platform with it forming the core of all of our dissemination activity and content creation.

In year 1 we have focused on leveraging the expertise of the consortium and promoting the project objectives.

Meet the Project – University of Ulm

Posted August 11th, 2014 | Categories: CACTOS



Ulm University is represented in CACTOS by the Institute for Organisation and Management of Information systems (OMI). The institute is closely connected to the communication and information centre (kiz) of Ulm University responsible for all IT services and the university library.

[Read More](#)

Tag cloud

#cactosp7 CACTOS

cactosp7 cloud

cloud computing

cloud resources

cloud services

cloud topology

context-aware eu

flexiant

flexiant cloud orchestrator fp7

FZI Queen's University Belfast

REALTECH research Sweden

topology Ulm University

Umea University

Figure 9: The CACTOS blog has been used primarily in year one to raise the profile of the project

Moving forward we have prepared an extensive blog schedule for the second half of year two which will delve into the deep technical elements of CACTOS that we hope will appeal to our target audience.



CACTOS – Collaboration Opportunities

Posted May 5th, 2014 | Categories: [CACTOS](#), [Partner Profile](#)



On March 12th-13th, 2014 the [CloudWatch Project](#) together with Unit E2 Software & Services, Cloud Computing of the European Commission organized a concertation meeting of projects working on Clouds from different calls and a wide variety of topics.

[Read More](#)

Figure 10: Through the CACTOS blog we have identified and recorded our attendance at key events



IV. DISSEMINATION ACTIVITIES



Figure 11: CACTOS Project Coordinator, Stefan Wesner, presents the project to the Universidade Federal do Paraná in Brazil

1. ACTIVITY BY PARTNER

a) UULM

- “Klima Killer Cloud Computing EU Projekt erforscht Energiesparpotentiale”. University of Ulm, Press Release.
- Südwest Presse 17.6. (newspaper)
- Neu-Ulmer Zeitung: 13.6. (newspaper)
- <http://www.springerprofessional.de/cloud-computing-ist-energieverschwendung/5156712.html>
- <http://www.energiepartner.de/Aktuell>
- <http://www.geheimdienst-zukunftsstandorte.de/2014/06/eu-projekt-cactus-erforscht-energiesparpotentiale-beim-cloud-computing/>
- <http://www.institut-clustermanagement.de/category/news-aus-der-szene/>
- <http://www.localxxl.com/ulm/klimakiller-cloud-computing-eu-projekt-erforscht-energiesparpotentiale-beim-internetbasierten-rechnen-1401961944-ftb/>
- <https://twitter.com/RedaktionEP/status/474513512887091200>
- <http://www.bochumer-zeitung.net/netzwelt>
- <http://www.thalysia.de/taxonomy/term/13>
- <http://www.thalysia.de/taxonomy/term/2>



- <http://www.tss-schmitz.de/cms1/index.php/nachrichtenleser/klimakiller-cloud-computing.html>
- <http://www.zbmed.de/nc/tmeta/wissenschaft-aktuell.html> (Leibniz-Informationszentrum Lebenswissenschaften)
- <http://www.innovationsregion-ulm.de/news/news-single-view-startseite/article/prof-stefan-wesner-moechte-die-energieeffizienz-von-cloud-diensten-steigern.html>
- Internal Presentations
- Stefan Wesner, “Storage and Data Center Networks”, Lecture for Master Students, University of Ulm, Summer Term 2014
- Lutz Schubert: “Cross-organisational distributed systems and clouds”, Lecture for Bachelor and Master students, University of Ulm, Summer Term 2014.
- Stefan Wesner, “Research and Teaching at OMI”, Presentation for Master Students, University of Ulm, 13 February 2014
- External Presentations
- Stefan Wesner, “CACTOS Overview”, University Donetsk, 4-5 November 2013
- Stefan Wesner, “CACTOS and potential use of SDN”, NEC Labs Heidelberg, 7 February 2014
- Stefan Wesner: “Herausforderungen und Ansätze für Software Defined Data Center”. Talk at [NMI 2014](#) (Neue Medien der Informationsgesellschaft), 2014-07-02.
- Stefan Wesner: „CACTOS-Context-Aware Cloud Topology“, DAAD Summer School. 2014, Curitiba.
- Preparation of Lightning Talk and position paper for the Concertation Meeting, 12-13 March 2014
- Preparation of Lightning Talk and position paper for the Concertation Meeting, 10-11 September 2014
- Internal workshop: PaaSage/CACTOS
- Technical Blog entry, University of Ulm, 2014
- Other Activities
- Contribution to the Website (blog entries)
- Contribution to the Overview paper for the HotTopics session
- Contribution to the flyer for Cebit, 10-14 March 2014
- Contribution to the poster for FIA Athens, 18-20 March 2014
- Engagement with Ciência sem Fronteiras program

b) QUEEN’S UNIVERSITY BELFAST

- A stream to be run at the Multidisciplinary International Scheduling Conference to be held in Prague August 2015 (<http://www.schedulingconference.org/>).
- Promote project to scientific and industrial community through Newsletter and LinkedIn groups.
- Submit a paper on in-situ analytics which will explore methods to avoid interference of the trace data processing infrastructure. To accomplish this we will examine scheduling and buffer allocation methods that isolate the resources (cores, memory, interconnect) used by the logging infrastructure from the resources used by actual workloads.



c) REALTECH

- Contribution to concertation paper

d) FLEXIANT LIMITED

- Web analytics reporting on a monthly basis, the results of which can be seen in section 3.
- Blogs
- Leading on STORMCLOUDS collaboration
- Contribution to concertation paper

e) UMU

- Contribution to concertation paper
- Coordination of baseline paper for CloudCom (this can be seen in Appendix 2)

f) FZI

- Scientific Dissemination
 - [Submission to HotTopiCS Workshop](#)
 - [Submission to eChallenges Conference](#)
 - [Offer practical training in software quality engineering courses to students](#)
 - [Advertised student job on power capping techniques](#)
 - [Advertised thesis on power prediction in mobile devices](#)
 - [Research exchange with Fraunhofer IESE](#)
 - [Research exchange with Universität Würzburg](#)
- Internal Dissemination
 - [Scheduled meetings in research division presenting research and results](#)
 - [Promote activity in FZI newsletter](#)
- Public Dissemination
 - [Contribution to concertation papers](#)
 - [Involvement and regular participation in Palladio community](#)
 - [Press release \(German, English\)](#)
 - [Publish article in Software Cluster Newsletter targeting software companies](#)
 - [Updated overview pictures on CACTOS regularly](#)

g) DCU

- Contribution to concertation paper



V. COLLABORATION ACTIVITIES

2. HORIZONTAL COLLABORATION ON PROJECT LEVEL

During the collaboration event based on discussions with representatives of the project the following collaboration opportunities could be identified and will be further investigated.

Project	Joint interest	Action
Panacea	While the approach to optimisation and resource and topology adaption is different in CACTOS (Model based) and Panacea (machine learning) an exchange on requirements and ideas would be beneficial.	CACTOS coordinator (Stefan Wesner) to get in contact with follow on exchange of information with Panacea coordinator and contact person met during the event.
MONDO	Application models is part of CACTOS as well as MONDO.	As yet it is still not 100% clear if this collaboration has benefits. Therefore after refinement of application models within CACTOS we will engage in further analysis of the MONDO work.
CloudScale	Elasticity and optimization of applications from an application point of view. This could contribute an orthogonal view on optimization with respect to the data centre view of CACTOS.	Cooperation has been established by FZI.
Orbit	Contact from ATOS but no specific action can be derived as of now.	Work in CACTOS needs to progress further before a concrete action can be taken.
STORMCLOUDS	Focus on dissemination and common interest knowledge and contents sharing activities.	Social media Website
MODAClouds	Uses the same prediction mechanism and tool (Palladio). However no specific action can be derived as of now.	Work in CACTOS needs to progress further before a concrete action can be taken.

3. HORIZONTAL COLLABORATION AT PARTNER LEVEL

Established research exchange with scientists of Fraunhofer IESE in Kaiserslautern by FZI.

Established research exchange with scientists of Universität Würzburg by FZI.

Paper submissions by FZI and DCU to Symposium on Software Performance 2014 in order to get into contact with researchers and practitioners.

Paper submission to eChallenges Conference by UULM, FZI, DCU, ULM in order to get into contact with practitioners.



4. VERTICAL COLLABORATION

Participation in concertation meeting in March 2014 by FZI and UULM.

Participation in concertation meeting in September 2014 by UULM.



VI. CONCLUSION

This document has laid out the core elements of the CACTOS dissemination strategy in action. The first year has seen the project develop a solid platform across multiple communication channels and begin to garner a solid audience at events and workshops as well as producing dissemination material that expresses the project values and showcases the intended results of the CACTOS solution.

As we approach the end of year 1 we now have a strong dissemination engine that will promote the technical achievements of the project in an engaging way and using this platform we can shape the impact of future CACTOS dissemination activity.

