

Secure and Trustworthy Composite Services



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Abstract:

Aniketos is about establishing and maintaining trustworthiness and secure behaviour in a constantly changing service environment. The project aligns existing and develops new technology, methods, tools and security services that support the design-time creation and run-time dynamic behaviour of composite services, addressing service developers, service providers and service end users.

This document presents the state of the website as of the end of January 2011. One of the vehicles to deliver the results of Aniketos and to disseminate them is a project website, set up and maintained by the project. The purpose of this document is to describe the objectives, target audience, structure and the content and design principles of the Aniketos project website, www.Aniketos.eu.

The Aniketos website, together with the Aniketos brochure and poster, should be primarily used for the raising awareness of the project among wide community of potential users and linking together people interested in project and its results.

Dissemination level			
PU	Public	X	
СО	Confidential, only for members of the consortium (including Commission Services)		

Aniketos consortium

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Executive summary

The Aniketos website, together with the Aniketos brochure and poster, should be primarily used for the raising awareness of the project among wide community of potential users and linking together people interested in project and its results.

The Aniketos project produces publications, documents and results of the research to be publicised to both its partners and the general public.

One of the vehicles to deliver the results of Aniketos and to disseminate them is a project website, set up and maintained by the project. The purpose of this document is to describe the objectives, target audience, structure and the content and design principles of the Aniketos project website which is available at the following URL:

http://www.aniketos.eu

The website is managed and hosted by ATOS, the partner responsible for dissemination in the Aniketos consortium.

The document presents the state of the website as of the end of January 2011.



1 Introduction

1.1 Aniketos motivation and background

The Future Internet will provide an environment in which a diverse range of services are offered by a diverse range of suppliers, and users are likely to unknowingly invoke underlying services in a dynamic and ad hoc manner. Moving from today's static services, we will see service consumers that transparently mix and match service components depending on service availability, quality, price and security attributes. Thus, the applications end users see may be composed of multiple services from many different providers, and the end user may have little in the way of guarantee that a particular service or service supplier will actually offer the security claimed.

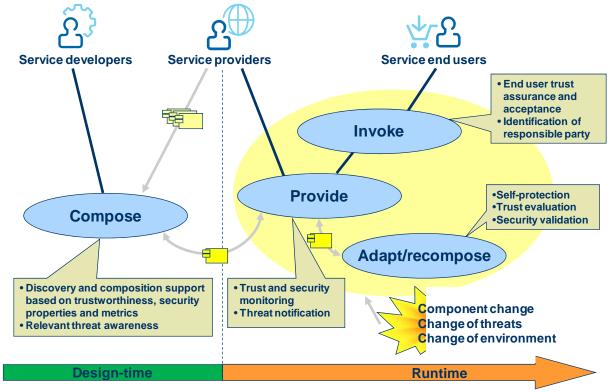


Figure 1: Goal: establish and maintain security and trustworthiness in composite services

Aniketos is about establishing and maintaining trustworthiness and secure behaviour in a constantly changing service environment. The project aligns existing and develop new technology, methods, tools and security services that support the design-time creation and run-time dynamic behaviour of composite services, addressing service developers, service providers and service end users.

Aniketos provides methods for analysing, solving, and sharing information on how new threats and vulnerabilities can be mitigated. The project constructs a platform for creating and maintaining secure and trusted composite services. Specifications, best practices, standards and certification work related to security and trust of composite services are promoted for inclusion in European reference architectures. Our approach to achieving trustworthiness and security of adaptive services takes account of socio-technical aspects as well as basic technical issues.

1.2 Summary

One of the objectives of the Aniketos website is to raise public awareness about the project, its results and progress and to make benefits and achievements of the Aniketos project known to relevant target groups using effective communication means and strategies.



At the present time for any ICT project, and likely for every activity a website is the most effective tool for dissemination. The most important feature of this tool - accessibility to anyone with internet access means that information is available at any time at any place on the worldwide basis. Therefore, one of the tasks of the Aniketos project is to develop and maintain a high-quality, easy to browse and updated website.

1.3 Structure of this document

In the first three months of the project the specification of the web site has been defined. The web site represents one of the main tools for dissemination of information dissemination of all project relevant information, such as public downloadable documents (project reports and dissemination papers, tools demos, etc.), presentations, news and events related to the project work scope.

The purpose of this document is to describe the following:

- Design principles
- Target Audience
- Structure of the Aniketos website
- Publication policy
- Technical aspects

1.4 Relationships with other deliverables

The results presented in this document relates on the following deliverables:

• D11.2- Initial Dissemination and Exploitation Plan

1.5 Contributors

The following partners have contributed to this deliverable:

- Juan Bareño/Atos Origin
- Valentino Meduri and Alessandra Tedeschi/DBL
- Vasilis Tountopoulos/ATC



2 The Purpose of Aniketos' Website

The Aniketos project website is one of the dissemination tools through which project is promoted among target audience, wider public and potential users of the project results. It has been created with the aim to inform about project and its events.

The website provides information such as project goals, presentation of the project consortium and partners' roles, news and information on upcoming events and events where Aniketos will be/was presented. Furthermore, the website is to ensure that the project results and achievements reach the target groups. For this reason, the website comprises the section dedicated to public deliverables including papers, publications, presentations and demos. The website also represents the communication channel through which a project newsletter will be distributed. Last but not least, the internal part of the website serves as a tool, which allows partners to access internal documents, as a repository of articles, whose publication is subject to notification to partners and, of events, in which ANIKETOS could be presented.

The following issues were considered in selecting, structuring and writing content for the Aniketos website:

- To provide an overview of project mission and objectives.
- To present the Aniketos consortium, its structure and tasks.
- To address audience that may have an interest in Aniketos, its results and achievements.
- To inform on latest news and events related to the project on regularly basis.
- To establish an Internet based community concerned in the issues researched and developed within Aniketos project.



3 Design Principles

The Aniketos project website was designed to achieve objectives and requirements specified in previous chapter. Each requirement needs a different approach to be achieved. Bellow, the requirements and their implemented solution are presented.

• The project website should inform about the project and its events – the website provides information such as: project goals, presentation of the project consortium and partners' roles, news and information on upcoming events and events where Aniketos was presented

These requirements are achieved by the creation of the following sections:

- <u>Objectives section</u> informs user about the Aniketos objectives in detail
- Consortium section provides detailed information about each partner participating in the project as well as their tasks.
- News section offers news and news releases related to the project. The news concerns the
 consortium meetings, presentations, events where Aniketos was presented, project results,
 achieved milestones e.g.
- Events section informs about past and upcoming events (by the use of a calendar) where Aniketos will be presented or where an open discussion about ANIKETOS will take place (networking).
- The project website should disseminate the project results and achievements the website comprises the section dedicated to public deliverables including papers, publications and presentations

These requirements are met by the creation of the <u>Downloads section</u>. This section contains the public deliverables, publications related to the Aniketos project development. It is also intended for audio-visual demos. The section shows the current state of the project development and enables deeper insight to the Aniketos project.

• The project website is one of the dissemination tools through which project is promoted among the target audience, wider public and potential users.

The <u>Forums section</u> give the project the opportunity to be disseminated through important discussions about trust and security related advancement and open issues in research and industry and others topics raised by the webpage users.. The discussions raises the possibility the Aniketos website and its content is known among the wide community.



4 Target Audience

Before specifying the user groups of the Aniketos website, it would probably be worth making a distinction between visitors and users of a website. A visitor can be anybody who is surfing the web and who accesses a website almost by accident. A user is a visitor who is directly interested in it and wants to apply the content of the website for some specific purpose. The difference between visitors and users is not necessarily clearly defined and they may overlap each other; visitors may become users, and vice versa. Addressing the real users is the crucial purpose of any website.

The ANIKETOS website has been planned to target the following groups of websites users:

- Software providers, Service architecture providers, Security Experts, ICT providers, IT vendors, Internet Service Providers, End-Users from Safety and Security Critical Domains
- Academia Scientists, Students
- Aniketos strategic partners EU projects working in similar domain- Trust & Security (Effect plus), European technology platforms (e.g. NESSI)
- European Commission
- Media
- Aniketos Consortium partners

In creating the website and its content, the information needs of the above mentioned groups have been taken into consideration. The following types of information are available on the website:

- news
- public deliverables
- presentations
- brochure
- discussion forums
- audio-visual demos
- logo public part of graphic identity
- information for Aniketos partners (events in preparation interesting for Aniketos to participate; articles which are to be published)

The following table illustrates addressing of the above listed types of information to be used by the identified user groups. The symbols in this matrix represent the level of availability of each type of information for the target groups

4.1 Website Dissemination Strategy

In this chapter we describe the particular strategic goals of Aniketos website dissemination strategy and the ways and actions that we have done and that we plan to achieve these goals.

Internet offers greatly extended possibilities for a dissemination of the research results. However the website as one of the dissemination tools of the project should be promoted itself. Nevertheless it represents a permanent competition to attract users to a website. To ensure the Aniketos website will be known to the wider community and will attract the users indicated above, many aspects have been considered and still several actions are going to be undertaken.

In the beginning we concentrated on basic website attracting measures, like attractive contents, transparent structure and interlinking of the website with other respective websites. Additionally we have linked the web with Google Analytics for obtaining users' statistics.



4.1.1 Attractive Website Content

One of the most important factors that influence the visit rate of the website is its attractive content updated on regularly basis.

The types of information and their content presented at the Aniketos website are deeply described in the following chapters of this report. If the content is attractive enough, the users and visitors could put the link to Aniketos website within various Internet places like discussion groups and "interesting links" sections of their own websites.

4.1.2 Accessible Website Structure

The structure of the website is another significant factor that determines the visit rate and rating in the search engines. Therefore, the website is organized into a clear, understandable and easy to browse structure that with up to two levels hierarchy. Every page and every article links back to the homepage.

We also have improved rating in search engines by applying advances SEO methods. The goal of advanced SEO optimization is to improve the volume and quality of traffic to a web site from search engines via natural search results, resp. to achieve more visitors coming from relevant searches. Increased internet visibility of the Aniketos project web site will help to promote the results of the Aniketos project to public audience.

4.1.3 Links with other websites

We also ensure the linking to various respective websites of research projects or activities in similar domain as well as to the websites of Aniketos project consortium partners. The following tables illustrate some examples.

We are continuously updating the lists and searching for other opportunities for interlinking our website and quoting it on various blogs, articles etc.



Links to the Aniketos' website on webs of other EU projects and platforms:

Project/platform name:	Link to Aniketos project website on their website:
CORDIS	http://cordis.europa.eu/fetch?CALLER=PROJ_ICT_TEMP&ACTION=D&DOC=
	<u>2&CAT=PROJ&QUERY=012b9d483608:adcc:5bef5953&RCN=95484</u>
NESSI	http://www.nessi-
	europe.com/Nessi/Projects/StrategicProjects/ANIKETOS/tabid/413/Default.as
	<u>px</u>
Effect plus	http://effectsplus.eu/
FIA trust and security	http://www.future-internet.eu/home/frequently-asked-questions.html#c385
group	

Links to the Aniketos' website from websites of Aniketos project consortium partners:

Partner's name	Link to Aniketos project website on their website:
SINTEF	http://www.sintef.no/Home/Information-and-Communication-Technology-
	ICT/Cooperative-and-Trusted-Systems/Projects/
Tecnalia	http://tecnalia.com/en/divisions/ict-european-software-
	<u>institute/software/software.htm</u>
	(official website of Software Unit from January 1st)
SAP	http://www.sap.com/research/
PLUS- University of	ICT&S Center (of the university): http://www.icts.sbg.ac.at/
Salzburg	
University of Trento	Department of computer science http://disi.unitn.it/

Links to the Aniketos website on other places:

Discussion group on Aniketos and its topics on	http://www.linkedin.com/groups?mostPopular=&gid=3450426
LinkedIn website	
Discussion group on	http://twitter.com/aniketoseu
Aniketos and its topics on	
Twitter website	



5 Structure of Aniketos' Website

The structure of the Aniketos website is designed in a clear and simple way, so that the visitors can easily find all information in which they may be interested. After reaching the website, the users are able to browse all the main sections. The main sections are:

- Home
- Project
- Consortium
- News
- Community
- Downloads
- Events
- Contacts
- Forum

Functionalities are; Search engine, Log in, Events Calendar and Discussion forums. In the following chapters of this report each main website section, and its pages and links are described accordingly.

5.1 Web site content description

5.1.1 Home

This is the starting page of the website, i.e. it is the entry point to the website. From the Home page user can access all public sections of the websites. The Home page provides an executive summary of the project, highlighting the general goal of the project and indicating the area of implementation.



Figure 2: The Home page

From the left–hand site of the Home page latest events and the search. These allow the user to search the website, to obtain the information on the latest events.

The right-hand section contains the links to LinkedIn and Twitter groups for Aniketos project created, and the shortened news items and the recent forums or discussion groups created. The whole text of



the news can be displayed after clicking on the headline, as well as the recent comments posted on these forums

5.1.2 Project

This section contains a brief description of the project in following order:

- Project information starting date, duration, total cost and funding scheme and research area)
- Objective
- Impact that the project will have
- Aniketos platform description

This section provides more detailed description of what Aniketos aims at and description of domains in which the impacts of the project are to be expected.



Figure 3: The Project section



5.1.3 Consortium

This section is dedicated to the partners of the project. After entering, partners' names are displayed, each linked to the description of the main activities of the partner and his role in the project.



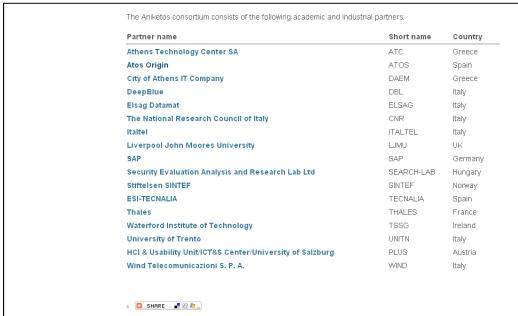


Figure 4: The Consortium section



5.1.4 News

This section contains the news related to the project. The news items are ordered by the publication date, with the most recent at the top of the page. Each of that news includes the date of its creation. The news items in a shortened form are also displayed in the right-hand section which appears on every page. After clicking one of the news item headers, the user obtains the detailed text.



Figure 5: The News section



5.1.5 Community

This section contains the links with the Discussion Groups created on Aniketos and Twitter and with other EU funded projects and professional working in the domain of secure, trusted and dependable infrastructures aims at fostering close links and exchanging of technical information, expertise and results.



Figure 6: The Community section



5.1.6 Downloads

The important Downloads section is sub-divided into four categories that represent the types of public documents that are produced or used within the life of the project: Deliverables, Publications, Presentations and Multimedia made by the Aniketos partners.



Figure 7: The Downloads section



5.1.7 Events

This section Events provide information about events in preparation – interesting for Aniketos to participate, articles which are to be published and next project meetings.



Figure 8: The Events section



5.1.8 Contacts

This section contains contact info for the key people in the project and allows sending an email in order to ask for additional information or provide any suggestions.

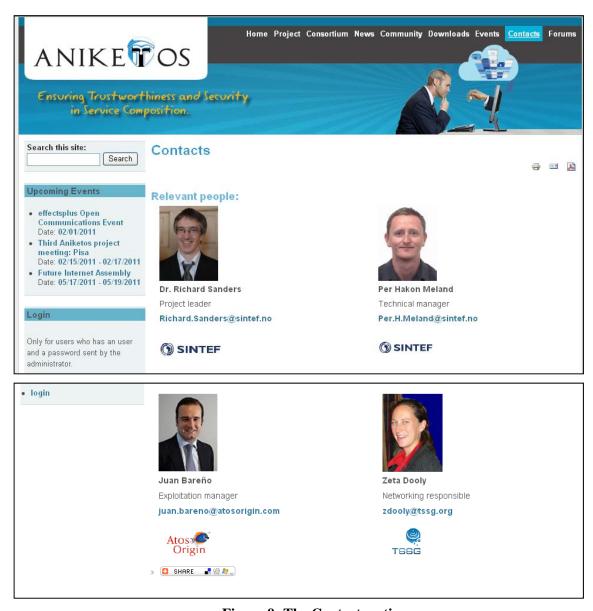


Figure 9: The Contact section



5.2 Functionalities

The ANIKETOS website also contains functionalities which complement the main sections:

Search

The search engine enables to find and locate any document within the Aniketos website.

Log in

Only the members of the Aniketos consortium, who were registered to the Aniketos website and received their passwords, have the possibility to log in.

Events

This section contains the list of upcoming events that are organized by the Aniketos consortium or in which Aniketos will take part. The detailed description of the event will be displayed upon clicking on one of the event items on the list. The events can be sorted by various criteria, e.g. by year, month, week in which the event takes/took place. The list of upcoming events can be seen in the left-hand section on every page as well.

Calendar

The calendar enables to check if there are any upcoming events during the current or next months. If so, the days of such events are marked with blue. The user can then click on one of those days and will be forwarded to a page with a detailed description of the event.

Discussion groups

The Discussion groups are accessible from the right-hand section. Upon registration users who are interested in the topics that the subject of the project research can join the discussion forums.



6 Publication Policy

In order to ensure the quality and uniformity of the website content, the following measures are applied:

- Every public document to be posted on the website is subject of examination by the project coordinator and exploitation director. Then, the content is posted on the website after review and approval.
- Other public documents, in particulars papers and articles by partners, are published on the
 external website after a simple process of depositing document on the internal web site and
 reviewing by partners in accordance with IPR stipulations indicated in the Consortium Agreement
- Every modification on the web content introduced by Editors; Project Coordinator and All the WP leaders, which are forced to introduce some news or comments on the forums created, could be rejected by the Project Coordinator by reviewing all the modifications introduced that are registered in the Review section.

Hierarchy of user rights access to the web site:

	User	Who in Aniketos	
Administrator	Admin	Project Coordinator and	
		Exploitation Director	
Editor	Editor	Project Coordinator and All	
		the WP leaders	
Normal	Normal	Web site visitor or user	



7 Technical Aspects

The internet site has been developed using the Drupal Content Management System (CMS). Drupal is an open source Content Management System that is freely available under the GNU General Public License.

The Aniketos' website was created and is hosted by Atos Origin which is responsible for both content and technical management. The website continues to be maintained on a daily basis.



8 Poster

The poster was designed. It illustrates the Aniketos objectives and includes basic information on the project and all partners' logos. Furthermore, it includes the website address.



Figure 10: Aniketos Poster



9 Brochure

To assist the dissemination effort, a project brochure was prepared. This material is distributed at conferences and workshops relevant to Aniketos project. Compared to the poster, the brochure provides more detailed general information about the Aniketos project. It introduces the main objectives and challenges of the Aniketos project.

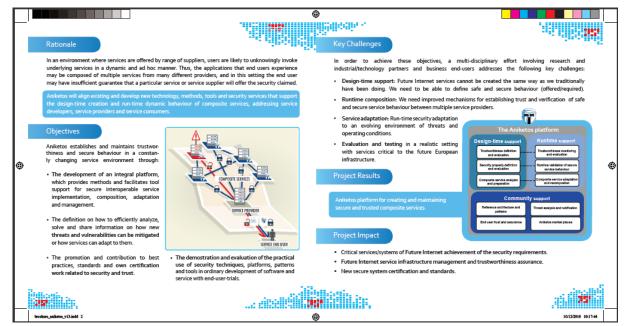


Figure 11: Aniketos Brochure



10 Conclusion

As is set out above, the Aniketos consortium strives to achieve that the Aniketos research results reach the defined target audience. The channels and instrument identified in this deliverable aim to support all the dissemination activities done by all the partners in their expertise domains, via the Aniketos web site, and by participation to relevant events (brochure, poster).

