

Selected Speaker Biographies

Mario Angelic

Middleware Architecture Specialist, Ericsson AB

Mario is an expert in middleware architecture at Ericsson AB. In this role, he works as an architect for next generation telecom platforms. Mario has worked with software, system and architecture design of highly available distributed telecom platforms, embedded operative systems and cluster interconnects.

Ingvar Bergström

Senior Designer, Ericsson AB

A senior designer at Ericsson AB, Ingvar has 27 years of experience working on highly available telecom, datacom and defensive aids platforms. Ingvar has worked with software, system and architecture design, embedded operative systems and router technology in a variety of positions for several leading companies. For the last three years he has been working with implementation of upgrade services and is now working on the SAF SMF service.

Michael Bishop

Software Specialist, Hewlett-Packard

Michael is an HP software specialist focusing on telecom solutions for customers. He has extensive experience working with ATCA, HP c-Class, HP rack-mount hardware, as well as years of experience working with IPMI, OpenHPI, and OpenSAF. Michael worked closely with Jonas Arndt (HP) and engineers at Emerson/GoAhead to design and develop the PLM service. Michael is contributing new software to OpenHPI and is currently the release manager for the OpenHPI open source project.

Murthy Esakonu

*OpenSAF Technical Co-Chair, OpenSAF Foundation
Senior Engineering Manager, GoAhead*

A senior engineering manager at GoAhead software, Murthy has worked in the telecom and networking area for the past 17 years with experience in HA middleware, routing, VOIP and signaling protocols. In his current role, Murthy works actively with OpenSAF and also serves as a Technical Co-Chair of the OpenSAF Technical Leadership Council (TLC).

Hans Feldt

Senior Software Engineer, Ericsson AB

Hans is a senior software engineer at Ericsson AB. He has 14 years of experience working with Telecommunication platforms, with emphasis on operating systems and middleware. For the last three years he has been working on implementations of various SAF services, such as AMF, LOG and IMM. Hans is the maintainer of these services in OpenSAF.

Jonathan Fournier

*OpenSAF Technical Co-Chair, OpenSAF Foundation
Senior Engineer, Wind River Systems*

Jonathan is a senior engineer at Wind River Systems, where he leads all technical aspects of OpenSAF contributions at Wind

River, including presence on the OpenSAF Technical Leadership Council, active development and OpenSAF maintainer and integration with Wind River Linux product line. Jonathan has worked with Linux and Carrier Grade systems for more than 12 years, focusing on open source software development, standards and community. Jonathan also currently serves as a Technical Co-Chair of the OpenSAF TLC.

Johan Mårtensson

System Architect, Ericsson AB

A System Architect at Ericsson AB, Johan works with application servers, SAF integration and standardization. He developed the JSR319 reference implementation and compatibility test kit.

Alan Meyer

*OpenSAF Vice President, OpenSAF Foundation
Director of Telecom Platforms Software Group, Hewlett-Packard*

Alan Meyer is the Director for HP's Telecom Platform Software group. In addition to representing HP in the SA Forum, Alan has also been involved with OpenSAF, where he is a founding member and has served as president, and he has worked with the Linux Foundation, OSDL and SCOPE. Alan has been a leader in HP's open source and Linux organizations for more than 10 years, with an emphasis on the telecom vertical market. Active with technologies from the Linux kernel up through platform middleware, Alan has focused on the demanding customer requirements of the telecom market with open and standards-based software. Alan holds a PhD in Computer Science from Washington State University.

Anil Sadineni

Senior Staff Engineer, GoAhead

Anil is a senior staff engineer at GoAhead India. He has 11 years of experience working with telecommunication platforms, mainly working on ATM signaling and routing protocols. For the past seven years, his primary focus has been working on middleware and porting middleware on various platforms.

Glenn Seiler

*OpenSAF Marketing Chair, OpenSAF Foundation
Senior Director of Market Development, Wind River Systems*

As Senior Director of Market Development, Glen manages strategy and planning for Wind River's telecom industry business. Glenn is a strong proponent of open source and was one of the original members of the Carrier Grade Linux Workgroup. He is also a contributor to the SCOPE Alliance Carrier Grade OS committee and on the Board of Directors for the OpenSAF Foundation. Glenn has been with Wind River since 2005. Prior to Wind River, Glenn held director of product management positions at MontaVista Software and BSDi and product management roles at SCO and Texas Instruments.



OpenSAF Developer Days 2010

May 24–25, 2010 • Palo Alto, CA

Hosted by Hewlett-Packard

OpenSAF is an open source community focused on what is quickly becoming the *de facto* standard for High Availability (HA) middleware. Developer Days will help attendees better understand this project, learn from experts in the HA ecosystem and meet other technologists from the industry. Opportunities abound for developers to get more involved in the OpenSAF project or simply learn more.

Hosted by Hewlett-Packard at its facilities in the heart of Silicon Valley, this innovative program is the ideal way to get up to speed on the industry's fastest growing service availability technology. This is your opportunity to see the project in action, interact and meet colleagues and learn details about the upcoming Release 4.0 of OpenSAF.

Participate in the interactive conference sessions and demonstrations led by top technologists, architects and OpenSAF project contributors. There are ample opportunities to get a general overview of the OpenSAF project architecture, features and code base. Additional sessions will focus on developers and experts seeking detailed and practical exposure to the OpenSAF code and the development of OpenSAF-based HA applications. Finally, find out how you can get involved in the OpenSAF community.

Learn, meet each other, and enjoy all that Developer Days has to offer.



OpenSAF Foundation

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Program

MONDAY, MAY 24

8:00–8:30 a.m.

Registration and Continental Breakfast

8:30–8:45 a.m.

Welcome, Introductions and Housekeeping
Alan Meyer, Hewlett-Packard

8:45–9:00 a.m.

Introduction to the OpenSAF Foundation
Glenn Seiler, Wind River Systems

9:00–10:00 a.m.

OpenSAF Overview, Project and Structure
Jonathan Fournier, Wind River Systems

10:00–10:15 a.m.

Coffee Break

10:15–11:15 a.m.

OpenSAF Architecture, Release 4.0 Overview, New Features
Mario Angelic, Ericsson AB

11:15 a.m.–12:15 p.m.

PLM Presentation and Demonstration
Anil Sadineni, GoAhead
Michael Bishop, Hewlett-Packard

12:15–1:00 p.m.

Lunch

1:00–2:00 p.m.

SMF Presentation and Demonstration
Ingvar Bergström, Ericsson AB

2:00–3:00 p.m.

CLM Presentation and Demonstration
Murthy Esakonu, GoAhead

3:00–3:30 p.m.

Coffee Break

3:30–4:00 p.m.

OpenSAF Modularity Presentation and Demonstration
Jonathan Fournier, Wind River Systems

4:00–5:00 p.m.

Changes to AMF in OpenSAF 4.0
Hans Feldt, Ericsson AB

5:00–5:30 p.m.

IMM Persistent Backend Based on SQLite
Hans Feldt, Ericsson AB

5:30 p.m.

Announcements and Housekeeping

7:00 p.m.

Cocktail Reception at Gordon Biersch Brewery, Palo Alto

TUESDAY, MAY 25

8:00–8:30 a.m.

Registration and Continental Breakfast

8:30–9:30 a.m.

OpenSAF Management Today and Tomorrow
Anil Sadineni, GoAhead

9:30–10:30 a.m.

OpenSAF Ecosystem, Project and Solution Providers
Vendors, ISVs and System Integrators

10:30–10:45 a.m.

Coffee Break

10:45–11:15 a.m.

OpenSAF in Debian
Jonathan Fournier, Wind River Systems

11:15 a.m.–12:15 p.m.

OpenSAF Project Roadmap
Murthy Esakonu, GoAhead

12:15–1:15 p.m.

Lunch

1:15–2:15 p.m.

Java, OpenSAF and JSR319 Presentation and Demonstration
Johan Mårtensson, Ericsson AB

2:15–3:00 p.m.

OpenSAF User Experience and Feedback
Murthy Esakonu, GoAhead
Jonathan Fournier, Wind River Systems

3:00–3:15 p.m.

Break

3:15–5:00 p.m.

Application/Developer Workshop and Open Session
Murthy Esakonu, GoAhead

5:00 p.m.

Closing Remarks and Evaluation
Glenn Seiler, Wind River Systems

hardware platform objects. This session delves into the PLM implementation inside OpenSAF and provides a demonstration of how PLM can be used to manage platform resources without using HPI directly.

SMF Presentation and Demonstration

OpenSAF 4.0 will support the very first implementation of the Service Availability Forum Software Management Specification in the industry that enables users to upgrade software from one deployment configuration to another without affecting service availability. This session discusses the current features supported by SMFSv in OpenSAF and the future roadmap, and demonstrates the upgrade of an application using SAF SMF.

CLM with a Presentation and Demonstration

OpenSAF 4.0 will support the CLM B.04.01 specification. This session discusses architecture of OpenSAF CLM implementation, integration of AMF with CLM and the key role CLM plays in the system High Availability scenarios. This session also speaks to the difference in the implementation approach of CLM from OpenSAF 3.0 to OpenSAF 4.0.

OpenSAF Modularity and Demonstration

For the first time ever, OpenSAF 4.0 will let users build and install only the features that they would like to use from OpenSAF. The users need not deal with SAF services that they do not want to use, thereby reducing the overhead of maintaining these services with patches and fixes that their applications do not use. This session focuses on the modularity aspects of OpenSAF, how to use only a subset of what is available and the suitability of OpenSAF in small footprint systems with resource constraints. This session also features a demonstration to bring up OpenSAF with minimal services and run an application with a limited subset of OpenSAF services running in the cluster.

Changes to AMF in OpenSAF 4.0

This session presents an overview of architecture and functional changes done in AMF service in OpenSAF 4.0. These include migration of AMF Model to IMM (from deprecated MASv service), using NTF service for Alarms and Notification, uplifting to the latest standard AMF model, as well as a number of implementation architecture improvements. The demonstration presents some AMF use-cases and shows usage of AMF CLI commands to query AMF model states from IMM.

IMM Persistent Backend Based on SQLite

This session presents an overview of changes in IMM service in OpenSAF 4.0, to support transactional-level persistency by using SQLite light-weight database. It also demonstrates enablement and usage of that feature.

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OpenSAF Management Today and Tomorrow

OpenSAF 4.0 will introduce a distinct management access mechanism that is quite different from the way that OpenSAF has been managed historically. All OpenSAF services are

going to be managed via SAF IMM, which is also a first in the history of SAF implementations. OpenSAF will make obsolete the usage of its older management access technology, called MASv, in the process. A comprehensive CLI access technology, called IMMCLI, will be used to manage the OpenSAF cluster. This session highlights the changes in management access of OpenSAF and the northbound management interfaces that will be provided by OpenSAF for supporting additional management agents. It also discusses the future scope of northbound management agent support.

OpenSAF Ecosystem, Project and Solution Providers

This session features vendors that offer commercial projects and services related to OpenSAF. It also features ISVs and third party software vendors that pre-integrate their solutions with OpenSAF, as well as others who plan to do the same in near-future projects related to OpenSAF.

OpenSAF in Debian

This session discusses the integration of OpenSAF 4.0 into Debian for the next GA release of Debian, called Squeeze. The description includes the process that was followed to integrate OpenSAF in Debian and the future plans for OpenSAF support in Debian.

OpenSAF Project Roadmap

This session concentrates on what's next for the OpenSAF project and new features that are going to be added in OpenSAF releases beyond 4.0. It also sheds some light on adapting other open source projects that are of interest (OpenIMS, MySQL, OpenLDAP, etc.) to enable High Availability migration of these software entities.

Java, OpenSAF and JSR319 and Demonstration

Java is a popular choice for server-side applications. With JSR319, AMF can manage and monitor Java EE application servers and applications. This session presents the current state of Java in SA Forum and OpenSAF, introduces JSR319 (AM4J) and demonstrates AMF in OpenSAF controlling Glassfish through AM4J.

OpenSAF User Experience and Feedback

OpenSAF 4.0 will support the CLM B.04.01 specification. This session discusses architecture of OpenSAF PLM implementation, integration of AMF with CLM and the key role CLM plays in the system High Availability scenarios. This session also talks about the difference in implementation approach of CLM from OpenSAF 3.0 to OpenSAF 4.0.

Application/Developer Workshop and Open Session

In this session, pre-selected attendees have the opportunity to work with OpenSAF developers for HA modeling of their applications. The scope of the workshop will include user-specific issues such as:

- AMF redundancy models
- Component modeling approaches
- Other OpenSAF services

Session Abstracts

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OpenSAF Overview, Project and Structure

The primary objective of this session is to enlighten the audience on what OpenSAF is all about, what the project does, how it is structured and how to get involved. This session is highly recommended for those who are attending Developer Days for the first time and are not very familiar with the project. This session prepares the stage for subsequent technical sessions that explore other technical aspects of the project in much greater depth.

OpenSAF Architecture, Release 4.0 Overview, New Features

OpenSAF 4.0 is going to be a game-changing release for the overall SAF-based COTS HA middleware industry. It is

essentially the biggest step in the direction of implementing a full suite of Service Availability Forum services that has ever been undertaken. This session provides an overview of all the new features that are being introduced in OpenSAF 4.0, describes features of OpenSAF 3.0 that were deprecated/removed and sheds light on a series of architectural changes that make OpenSAF the most scalable, robust and comprehensive implementation of the Service Availability Forum standards.

PLM Presentation and Demonstration

PLM is a totally new specification that was authored by Service Availability Forum to bridge the software world of AIS and the hardware world of HPI to provide a homogeneous system view that enables managing and manipulating