Yamcs Training

Kick-Start Your Team & Your Mission

Overview

Space Applications Services offers Yamcs training courses to kick-start your application and use of Yamcs, the modern scalable and expandable Mission Control System.

The course is offered to any individual or organisation keen to learn in an express, efficient and customisable way, the basics and advanced functions of Yamcs.

Course Content

The course in English is composed of a number of lessons combining knowledge and hands-on exercises, covering topics such as:

- Yamcs overview and installation
- Yamcs Server configuration
- Yamcs Web interface
- Yamcs Studio installation
- Yamcs Studio views and displays development
- Yamcs Mission Database Development
- Yamcs add-ons (API, Websockets, Python API)

Course Customisation

Our professional Instructors and Yamcs experts will customise all aspects of the course to fit your Team, your mission and your need. They will determine with you the most suitable course content, course duration, course planning based on your target audience, application and mission.

Moreover, any course can be combined with on-site consultancy service where our Yamcs experts guide you in applying what you have learned to the specifics of your mission and architecture.
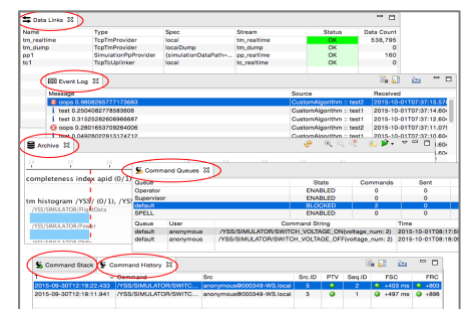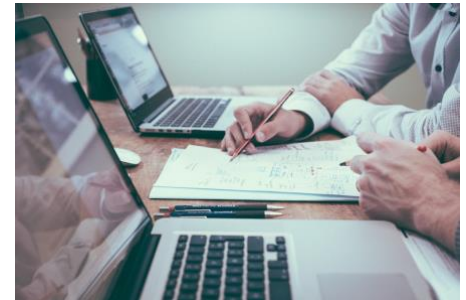
Finally, the course is adapted by the Instructors to fit Trainee skills and learning curve. Additional topics can be built in the course if needed:

- SPELL* installation and procedures
- Configuration for AIT and EUROSIM integration
- Networks and communication
- Mission operations
- Linux OS

Course Quality & Method

Our courses are prepared and delivered by a Team of professional Instructors with years of experience in astronaut, flight controllers and ground support personnel Training and by Yamcs developers and experts.

Courses are developed, customised and implemented following standard instructional system design metholodies (ADDIE model).

SERVICES AVAILABLE

- Scenarios customisable to specific needs or context.
- Training duration adaptable for specific needs or requirements: shorter, longer, refresher course.

For more information, please visit:
https://spaceapplications.com

or contact us:
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*Satellite Procedure Execution Language & Library

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Frequently Asked Questions

- ### How long is the course?

The baseline course is 2 days and can be provided on-site or online. We also provide longer courses (e.g. 5 days). The training can also be distributed over time to suit your scheduling constraints.

- ### Who should attend?

The 2-days course is suitable for operators, developers and administrators who will work with Yamcs in your organization or are involved in the flight software or ground software use or development.

Customization is possible for longer course and/or specific audience. Please contact us to inquire.

- ### When is the next training?

On-demand.

Please contact us to inquire about planning or joining a planned course.

- ### Where?

Online, or at your location, or in our offices in Brussels (Belgium), Noordwijk (the Netherlands), in Cologne (Germany).

- ### How many Trainees can attend?

We advise a maximum of 8 Trainees per course, to allow Trainees to practice and interact efficiently. However, customisation is possible for different numbers of attendees.

- ### What is the language of the course?

The course material is in English. Instructors / lecturers deliver the course in English.

- ### What is the cost?

Please contact us for inquiry on the cost per seat or per session.
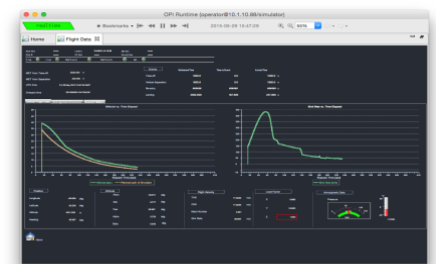
- ### What is needed for the course?

A computer for each Trainee to perform the hands-on exercises, able to run a virtual machine and access the internet.

- ### Can we ask questions during the training?

Yes, the lessons are interative and include excercises. The schedule also include a final Q&A session where further questions can be asked, about the course content or about your specific mission or configuration.

ABOUT Yamcs

Yamcs Suite is an operational open source solution combining a Checkout and Mission Monitoring & Control System in a single product.
More information is available at:
https://www.spaceapplications.com/products/mission-control-system-yamcs

ABOUT SPACE APPLICATIONS SERVICES

Space Applications Services NV/SA is an independent Belgian company founded in 1987, with a subsidiary in Houston, USA.
Our aim is to research and develop innovative systems, solutions and products and provide services to the aerospace and security markets and related industries. Our activities cover manned and unmanned spacecraft, launch/re-entry vehicles,