Data modeling on Atrium

Course Description

Audience
This course addresses developers who want to learn how to extend the data model in Atrium and use the data in applications

Prerequisites
The courses “System Overview for Atrium”, “Python”. Basic Unix knowledge

Duration
2 days

Course goals
You will learn how to program in Python using the data model through ARA, and how to extend the data model in client configuration. You will also learn how to bridge over to Rave and back, and look at how data is stored in the UDM database model.

Course topics

- The Atrium system model architecture ARM
- ARA:
  - Activity resource assignment model
  - Working with resources
  - Working with activities
  - Working with assignments
  - Attributes in ARA
  - Generic objects support
- UDM:
  - Overview of the Atrium data model
  - How to extend the data model in client configuration
  - How to make extensions available in ARA
  - Revisions in database
  - Versions in data
- Rave support
  - Evaluating Rave values on ARA objects
  - Getting back to Rave objects from ARA
- ARA business functions overview
  - Push/pop of assignments on crew members
  - Callout
  - Open time generator
The course is both presentations and exercises where you will practice important concepts in the course. Exercise are programmed in Python within an Atrium system.