

Abiquo Bootcamp (TE002) - 19-22 March 2018, Barcelona (Spain).

The Technical Enablement course (TE002) **takes place over 4 days.**

This course **is intended for IT operations, Network Admins, Security or Storage architects** responsible for design, and/or indirect support and operation of an Abiquo installation, **and for Product Managers** who require a deep insight into the features, functions and capabilities of the Abiquo platform. The course provides participants with a **detailed understanding of the steps necessary to operate an Abiquo environment.** The classroom sessions cover Abiquo's capabilities, architecture, best practices, provisioning workflow and network/storage dependencies, and are the best preparation for working with Abiquo. The course is broken up into classroom teaching, demonstrations and hands-on labs.

The lectures will give an understanding of the Abiquo platform's features, the architecture, interactions with networking and storage, metering, using App Library templates and a look ahead to the Abiquo roadmap.

The labs provide hands-on experience on a Monolithic Abiquo Environment. Participants will be given opportunities to use and administer Abiquo and explore troubleshooting with log files. Participants will get to practice and engage with all major components of Abiquo. The labs conclude with a comprehensive review to solidify the hands-on skills that are required to operate an Abiquo environment.

Note that the course may be customized to include or exclude features as appropriate for a particular implementation.

The certification exam tests a candidate's ability to create, configure, and manage private clouds using Abiquo. The exam will run on the 4th day and is completely hands-on with an allotted time of three hours. The course will prepare students for the certification exam.

REGISTER

Course Details

Course Details	<p>Duration: 4 Days</p> <p>Dates: 19 - 22 March 2018</p> <p>Hours: 9:00 a.m. - 5:00 p.m.</p>
Course Objectives	<p>The Abiquo Bootcamp course covers the critical skills needed to operate an Abiquo environment. On successful completion of this course, students will be able to:</p> <ul style="list-style-type: none"> ● Define the key features of Abiquo ● Identify suitable use-cases for Abiquo ● Describe the architecture of an Abiquo Cloud Environment ● Create and manage images and instances ● Create and manage tenants, users, roles, and usage limits ● Use the Abiquo wiki and logs for troubleshooting and issue reporting
Target Audience	<ul style="list-style-type: none"> ● Systems Administrators ● Technical IT Professionals ● Product Managers
Prerequisites	<ul style="list-style-type: none"> ● Basic Linux command line is helpful! ● Virtualization concepts ● Networking concepts
Lab Requirements	<ul style="list-style-type: none"> ● Computer with Firefox or Chrome ● SSH and SCP Software
Outline	<ul style="list-style-type: none"> ● Abiquo Overview ● Infrastructure ● Networking ● Storage ● Service Monitoring ● App Automation ● The Abiquo API ● Business Integration ● Troubleshooting

Module Details

MODULE 1 *ABIQUO OVERVIEW*

Theory	Workshops
Introduction to Abiquo Customer use cases Architecture Components – monitoring, reporting, etc. Integrations: Workflow and Integration points Abiquo entities: Tenants and Users Understand VDCs and VApps Abiquo instances Anti-affinity layers	Logging in for the first time Create and manage tenants and users Create and manage VDCs and VApps Create and manage VMs Manage roles and privileges Creating users Creating scopes Layers

MODULE 2 *INFRASTRUCTURE*

Theory	Workshops
Supported Hypervisors Compute Resources Capture VMs Allocation rules Hardware profiles VM High Availability at host level	Capture a VM Allocation rules Hardware profiles

MODULE 3 *NETWORKING*

Theory	Workshops
Abiquo virtual networks Abiquo platform networks Hypervisor networks Public cloud networking (AWS, Azure ARM) Abiquo DHCP VNC console access Networking limits SDN in Abiquo	Private networks External network Public networks

MODULE 4

STORAGE

Theory	Workshops
The Apps Library Repository filesystem Hypervisor storage Datastore tiers VM Mobility – demo App library in public cloud – demo	Create template, upload OVA, V2V conversion Create, review and modify datastore tiers Configure default tiers Configure VM tiers and deploy

MODULE 5

SERVICE MONITORING

Theory	Workshops
Monitoring system Configure monitoring Monitoring process Monitoring capabilities – built in Alarms and alerts Extending monitoring with cURL and collectd	Setting up a VM for monitoring Create alarms and alerts Create custom metrics Create action plans and task schedules

MODULE 6

APP AUTOMATION

Theory	Workshops
Action plans and triggers Guest setup: Cloud-init in private cloud Chef integration Create a local VApp Spec View VApp Spec in the Apps library Create a virtual appliance from a VApp Spec More details about what VApp Specs create Create a new version Managing versions Global VApp Specs - access control	Create an action plan and trigger Create a scaling group and trigger scaling Create VM configuration with cloud-init feature Create a local VApp spec Manage VApp spec versions Global VApp specs and access control

MODULE 7
THE ABIQUO API

Theory	Workshops
Quick introduction to REST Understanding the design principles of the API Implementation details and conventions Common patterns Practical examples	Using the API

MODULE 8
BUSINESS INTEGRATION AND PUBLIC CLOUD

Theory	Workshops
Abiquo pricing models Privilege Pricing messages for users Cost codes Datacenter and reseller pricing The Abiquo billing plugin Abiquo reports Workflow Backup integrations	Create cost codes Assign codes to images Create currencies Create pricing models and assign to a tenant

MODULE 9
TROUBLESHOOTING

Theory	Workshops
Deployment failure scenarios Common user errors Analyzing browser issues Abiquo log files User limits Damaged VM template OVF Working with Abiquo support Installing and running sosreport Configuration and monitoring reference	



About Abiquo

Founded in 2006, Abiquo is one of the original pioneers of cloud computing. This early start, and a combined 75 years of engineering effort, has allowed us to build the broadest and deepest hybrid cloud management software solution available on the market today.

Designed from the ground-up as a strategic solution to meet the needs of customers, Abiquo was specifically architected to be hardware and hypervisor independent from the start – a tremendous advantage in today's heterogeneous environments. Abiquo's cloud management software supported multiple infrastructure types from the first version, and has now grown to manage cloud environments from on-premise hypervisors to public clouds.

Abiquo's headquarters are in London, UK, with a Research & Development office in Barcelona, Spain.

Contact Abiquo at:

Web: www.abiquo.com

Email: training@abiquo.com

Phone: +34 619726338