



## The Digium-Certified Asterisk Professional (dCAP)



The Digium-Certified Asterisk Professional (dCAP) certification is a verification of your knowledge of Asterisk. It is an industry recognised accreditation and is a benchmark by which your knowledge of Asterisk can be demonstrated. The certification covers a specific released, stable version of Asterisk. dCAP certification is held at the end of each of the Asterisk Bootcamp training course.

The dCAP test is comprised of a written test and a practical test. The written exam consists of a 150 multiple choice question concerning Asterisk and Asterisk-related technology and last for a period of 1.5hrs. For the hands-on practical lab exam students are asked to configure a PBX according to a given specification, again the duration of the exam is 1.5hrs.

Please note that although taking the Asterisk Bootcamp course is a prerequisite for sitting dCAP, it does not guarantee that you will pass the dCAP exam.

### To successfully pass the written exam a firm understanding is required in the following areas:

- >> Asterisk's internal architecture
- >> The various licenses under which Asterisk is distributed
- >> Downloading, compiling, and installing Asterisk and associated software
- >> Configuration, structure, use, and debugging of the Asterisk dialplan and associated applications
- >> Use of the Asterisk CLI
- >> Digium telephony hardware and its configuration for POTS, T1, E1, and ISDN
- >> Structure and theory of traditional telephony circuits including POTS, T1, E1, and ISDN
- >> Digital audio and codecs
- >> Configuration and use of queues
- >> Structure and Theory of VoIP protocols inc. IAX2 & SIP

### It is recommended that you:

- >> Have read Asterisk: The Future of Telephony 2nd Edition by O'Reilly
- >> Have working experience of setting up and maintaining an Asterisk server
- >> Have familiarity with the Asterisk configuration files
- >> Have taken the Asterisk Bootcamp course (Prerequisite).

Information about open source Asterisk can be found at Asterisk.org and a PDF of Asterisk: The Future of Technology can be downloaded from the ATP training webpage (<http://www.austechpartnerships.com/training/>). From having carried out the above it is hoped that you will have gained a firm understanding of the following to successfully pass the written examination.

### Enrollment

dCAP examinations take place on the final day of each Bootcamp. To enroll for dCAP certification, go to the ATP training web page (<http://www.austechpartnerships.com/training/>) and use the course schedule to select for the Bootcamp that is scheduled for most suitable for you. Then download and complete the registration form and return it to the ATP training Department.

Please note that you can only enroll for dCAP if you have completed an Asterisk Bootcamp Course.