

Secure audio/video services – → H.323, H.350 and Firewalls

Introduction

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Author: K. Stoeckigt (kewin.stoeckigt@aarnet.edu.au)
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→ Who am I?

Kewin studied Computer science at the Universities of Leipzig, Goettingen and Auckland. He received a BSc from the University of Goettingen, and an MSc from the University of Auckland respectively. Prior joining AARNet, Kewin worked for the Joint Computing Center of Max Planck Gesellschaft in Munich, Germany. His main research interest is active and passive network measurement, as well as (secure) real time communication such as VoIP and videoconferencing. Kewin participates in several national/international working groups, and is/was a speaker on several national and international conferences.



→ Schedule

09:00 – 10:00	Introduction Global Dialing Scheme (GDS), Vide, numbering plan...ENUM...	Session 1
10:00 – 10:30	Coffee Break	
10:30 – 12:30	H.350 Directory Service Setup, Installation and Configuration of OpenLDAP for H.350	Session 2
12:30 – 14:00	Lunch	
14:00 – 15:20	H.323 videoconferencing and its problems Setup, Installation and Configuration of GnuGK using H.350 endpoint authentication	Session 3
15:20 – 15:50	Coffee break	
15:50 – 17:10	Data Collaboration H.323 & SIP: Yesterday, Today and Tomorrow F&A	Session 4

→ Objectives

- The objectives of this workshop are to introduce the technique of H.323 for audio- and videoconferencing, help participants to master the installation and configuration of GnuGK and OpenLDAP for directory services (H.350), and get an insight into security issues, numbering plans and directory services for audio-/videoconferencing.
- This full day workshop is separated in four sessions. In the first session a theoretical introduction to H.323 and its use for audio-/videoconferencing is given. The Global Dialing Scheme (GDS) and numbering plans will be explained. The second session will give an introduction of H.350, an LDAP scheme for user/system authentication (<http://middleware.internet2.edu/video/docs/H.350/>) . The second half of this session is used to introduce GnuGK and several security concepts. The third session is the `hands-on' session. In this session a GnuGK using H.350 authentication is installed and configured, and it is shown how GnuGK can overcome the Firewall and NAT problem. At the end of the third session several tests should show how easy it is to setup such a system, e.g. for your University, School, etc. The fourth session will then show how H.323 and SIP work together today. Data collaboration is a topic in the fourth session as well. This session also gives an outlook of what might be possible tomorrow.
- At the end of the workshop, every participant should either have a ready installed system, or take a sample system home on CD-Rom. A workshop webpage would be available with additional information.

→ ...but before we start...

- Who are you and what do you want?
- Where are you from?
- Why did you join this workshop?
- What are your expectations?
- ...



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