Infrastruttura Wireless presso le Strutture CNR Piemonte

The Wireless infrastructure at Piedmont CNR network.

a cura dell'Ufficio IT Ceris-CNR

Giancarlo Birello, Ivano Fucile, Valter Giovanetti
(Ceris-Cnr)

Ceris-Cnr
Ufficio IT
Strada delle Cacce, 79
10100 Torino – Italy
Tel.: 011 3977303/388/512
Autore corrispondente: Giancarlo Birello, G.Birello@ceris.cnr.it

ABSTRACT:
   The increasing popularity of laptop computer and the work on mobility requirement are the main reasons to deploy a wireless network infrastructure providing a secure internet connection for local and external users.
   Wireless network has a lot of benefits but it is necessary take special care with security to prevent intrusions and illegal use of the network. Central administered wireless infrastructure is a good solution for security and it allows an easy maintenance of the access point configuration.
   The Sonicwall Network Security Appliance NSA-5500 is the core of Piedmont CNR Network Infrastructure and its options regarding wireless LAN allow us to deploy a wireless infrastructure meeting all requirements.
   The main features of our deployment are: multiple SSID announcement, 802.1x protocol support, captive portal authentication, radius and ldap integration, cross-authentication with local and national organizations.

KEYWORDS: wireless, internet, 802.1x, vlan, radius

JEL CLASSIFICATION: Y90 - OTHER