



Tru'Auth is deployed in various Telco, ISP and service provider environments, enabling them to effectively and quickly deploy tiered and differentiated services, across combinations of WiFi, 2G/3G and broadband networks. It can be used for **provisioning and billing** of dynamic and permanent user accounts and **authentication, authorisation and accounting** of these accounts.

## Ease of Use

Tru'Auth provides multiple-level, web-based administration, template-based account creation, and graphical reports with searchable by various attributes. A subscriber dashboard feature allows customer care personnel to quickly determine subscriber usage and login issues.

## Flexible and Configurable

Tru'Auth natively supports many flexible authentication, authorisation and accounting methods. It allows extension of these native methods to roll out customisable AAA functions to meet specific requirements. In addition, Tru'Auth comes pre-configured with many 3<sup>rd</sup> party Vendor Specific Attributes (VSAs) and new VSAs can be added to further extend its interoperability. Furthermore, Tru'Auth APIs allows integration with external provisioning, OSS/BSS and portal systems.

## Scalable

Deployed in a standard single server setup, Tru'Auth can support up to 500 radius transactions per second. Higher performance can be achieved by deploying Tru'Auth in a clustered environment to scale to much higher performance.

## Reliable

Tru'Auth supports High Availability (HA) with automated failover and session synchronisation. This minimises service downtime and configuration only needs to be performed on the primary system. In addition, Tru'Auth can be deployed in 2 geographically different locations in a disaster recovery (DR) mode.

## System Overview

ANTlabs Tru'Auth System is a proven, scalable, highly reliable and flexible AAA and provisioning system to meet the requirements of the most demanding and diverse operating environments. It enables Telcos, ISPs and Service Providers to roll out new and innovative services on their WiFi, mobile and broadband (xDSL/cable) networks.

## Features

### Template-based Account Type Definitions

Single use time-based accounts  
Single use volume-based accounts  
Recurring (daily, weekly, monthly) time-based account  
Recurring (daily, weekly, monthly) volume-based account  
Day and time restricted access accounts

### Administration

Secure web-based administration  
Command line interface  
Multi-level configurable, group-based administration accounts  
Audit trail of web-based administration operations  
Web-based Application Programming Interface (API)  
SNMP support (SNMP v2c, UCD Private MIBs, Radius MIBs)  
NTP support  
Custom VSA support

### Logs and Reports

Subscriber Dashboard for customer care  
Accounting logs (searchable)  
Online user listing (searchable)  
Listing of failed login attempts  
Usage summary (daily, weekly, monthly, user-specified period)

### Modules

Credit card provisioning  
Short Message System One-time Password provisioning  
High Availability (automated failover and session sync)  
Account Receipt Printer

### Authentication Protocols

PAP, CHAP, MS-CHAP<sup>1</sup>, MS-CHAPv2<sup>1</sup>  
EAP<sup>1</sup> (MD5, LEAP, MS-CHAP v2, SIM, TLS, TTLS, PEAP)  
Radius Proxy<sup>1</sup>, CRAM<sup>1</sup>, PAM<sup>1</sup>, Kerberos<sup>1</sup>, SIP Digest<sup>1</sup>, LDAP<sup>1</sup>  
Customisable authentication method<sup>1</sup>

### Authorisation Methods

Database (MySQL)  
Database (others<sup>2</sup>)<sup>1</sup>  
LDAP (others)<sup>1</sup>  
Radius Proxy<sup>1</sup>  
Customisable authorisation method<sup>1</sup>

### Accounting Method

Text file  
Database (MySQL)  
Database (others<sup>2</sup>)<sup>1</sup>  
Radius Proxy<sup>1</sup>

### RFC Compliance

RFC 2865 Remote Authentication Dial In User Service (RADIUS)  
RFC 2866 RADIUS Accounting  
RFC 2869 RADIUS Extensions  
RFC 2619 RADIUS Authentication Server MIB  
RFC 2621 RADIUS Accounting Server MIB  
RFC 1227 SNMP MUX Protocol and MIB  
RFC 2868 RADIUS Attributes for Tunnel Protocol Support (TPS)  
RFC 2867 RADIUS Accounting Modifications for TPS

<sup>1</sup> Optional Module

<sup>2</sup> Optional database support: Oracle, PostgreSQL, MS-SQL

<sup>3</sup> Supported LDAP servers: Open LDAP, Novell eDirectory, SunOne Directory Server, Apple OpenDirectory

## Specifications

Model	E-series
CPU	2 x Quad-Core Intel(R) Xeon(R) E5420, 2x6MB Cache
RAM	4GB, DDR-2 667MHz ECC 2R Fully-Buffered Memory
Storage	2x 500GB 3.5" 7.2K RPM SAS Drive in RAID 1 configuration
Network	3 x 10/100/1000BaseT Port
Console	1 x RS232 (DB9) Console Port
Power Consumption	670W, with redundant power supply
Thermal Load	1688 BTU/hr
Gross Weight	30kg
Dimensions	426(W) x 772(D) x 42.6(H) mm
Certification	UL, CE, FCC