



# Trust Automation Proxy

## ACME Proxy Module Overview

### About TAP

EverTrust TAP is a full-feature, easy to use and versatile PKI Automation solution, able to meet the needs related to automated certificate issuance and renewal for corporate environments, while ensuring compliance at issuance time and over time via the SSL scanner. TAP has 3 functional modules (ACME Proxy, SSL Scanner, Intune Proxy), that are commercially offered separately.

The ACME Proxy module of EverTrust TAP allows to easily integrate automated certificate management on your servers, using either appliances' native ACME support or one of the popular ACME clients. The associated SSL network scanner allows you to easily detect self-signed, revoked or untrusted certificates.

## Key Features

EverTrust TAP is a headless proxy, designed to be installed between your PKI Certificate Authority and the machines to enroll. It supports the following protocols:

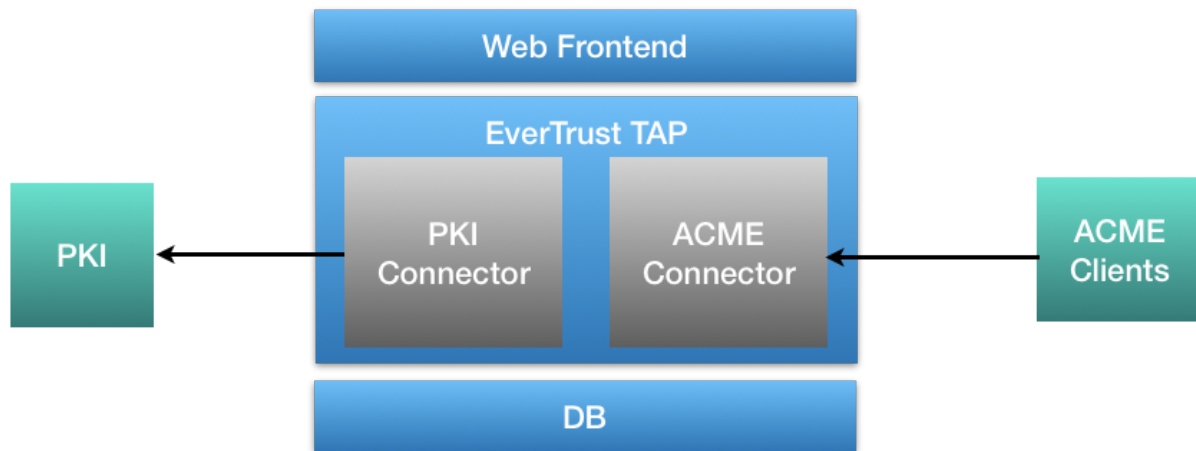
- ACMEv2 as per draft-ietf-acme-acme-12
- ACMEv2 as per Let's Encrypt v2
- acme-dns (planned)

The ACME HTTP-01 and DNS-01 validation modes are supported.

Its technical architecture relies on proven and high performance components such as Nginx, Mongo DB, Bouncy Castle and Akka/Play framework. It is designed to be highly scalable and versatile, in order to adapt to most common ACME clients and to efficiently scan the network.

# Product Details

The diagram below shows the architecture of EverTrust TAP ACME Proxy.



## Recommended OS for TAP

- CentOS 7 or RHEL 7

## Supported PKI

- EJBCA
- IDnomic OpenTrust PKI
- Microsoft AD Certificate Services
- Nexus Certificate Manager

<a href="#">ecc384.badssl.com (104.154.89.105)</a>	443	TLSv1.2	2020-02-05T12:00:00.000Z	UNTRUSTED		FAILED
<a href="#">expired.badssl.com (104.154.89.105)</a>	443	TLSv1.2	2015-04-12T23:59:59.000Z	UNTRUSTED		FAILED
<a href="#">no-subject.badssl.com (104.154.89.105)</a>	443	TLSv1.2	2020-06-16T23:59:59.000Z	UNTRUSTED		FAILED
<a href="#">revoked.badssl.com (104.154.89.105)</a>	443	TLSv1.2	2019-09-11T12:00:00.000Z	TRUSTED	REVOKED - OCSP CHECK	SUCCESS
<a href="#">self-signed.badssl.com (104.154.89.105)</a>	443	TLSv1.2	2020-08-14T15:21:53.000Z	SELF-SIGNED		FAILED
<a href="#">sha256.badssl.com (104.154.89.105)</a>	443	TLSv1.2	2020-03-25T12:00:00.000Z	TRUSTED	GOOD - OCSP CHECK	SUCCESS
<a href="#">unknown.badssl.com (104.154.89.105)</a>	443	TLSv1.2	2018-08-08T21:17:05.000Z	UNTRUSTED		FAILED

TAP SSL Scanner Results

## Tested ACME clients

- CertBot
- acme.sh
- dehydrated
- WinCertes



## About EverTrust

EverTrust is a software vendor and a system integrator specialized in digital trust, led by a team of passionate experts. Covering France and the rest of EMEA through a network of partners, EverTrust focuses on delivering efficient solutions with low TCO and proven achievements in terms of IT security, while helping companies reaching various regulatory compliance goals in the digital trust field.