# innometriks®

# ID Server
## FICAM Continuous Vetting Solution



### Features That Make a Difference:

- Simple to deploy, all-in-one appliance

- Verifies Public Key Infrastructure paths

- Administration over Ethernet via WebAdmin

- Pushes certificate authentication down to the panel level

- Tracks revoked and expired certificates

- Integrates with a physical access control system (PACS)

## Strong Identity Authentication

Innometriks hardware and software products work together to provide, strong identity authentication for mission critical environments. Strong authentication verifies an individual's identity using technologies including biometrics, smart cards, public key infrastructure (PKI) and digital signatures to provide a high level of assurance above and beyond that available through non-smart card ID cards.

Innometriks ID Server is the centerpiece of the Innometriks High Assurance FICAM-compliant authentication and access control solution, working with any physical access control solution (PACS) to integrate smartcard technology with biometric authentication for PIV, PIV-I, CIV, TWIC, and other FICAM ID card formats.

## Secure Connection for Trusted Data Exchange

ID Server is a key component of Innometriks High Assurance Security Solution by checking the validity of the information on PIV, PIV-I, CIV, TWIC and other FICAM card formats to help establish the identity of a cardholder. The ID Server maintains links to important trust anchor repositories, which certify that the card is authentic and contains trusted certificates to ensure a secure, encrypted connection for reliable data exchange.

## Real-Time and Continuous Credential Vetting

Innometriks ID Server provides path discovery which is the process of discovering a chain of certificates running between a specific trust anchor and the certificate being validated. Once the chain of certificates is discovered, the ID Server validates the path by examining each certificate in the path, and determining validation status of the path at a given moment and within the parameters being enforced by the PD-VAL product.
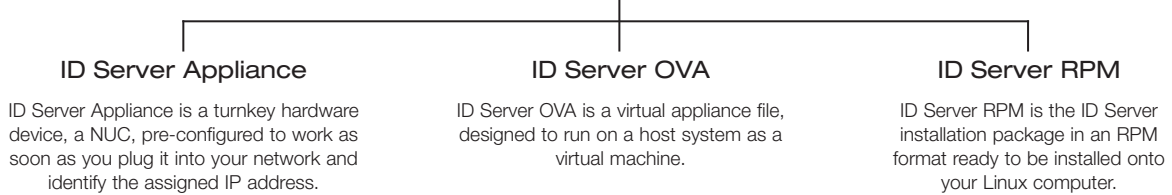
## Simple to Deploy

ID Server is a simple to deploy, all-in-one appliance that does not require a costly or complex installation of a windows-based SQL database, Microsoft CAPI or windows server. All components are pre-installed for convenience. Simply install the OVA or RPM, or power on the appliance and add appropriate trust anchor repositories and you will be up and running.
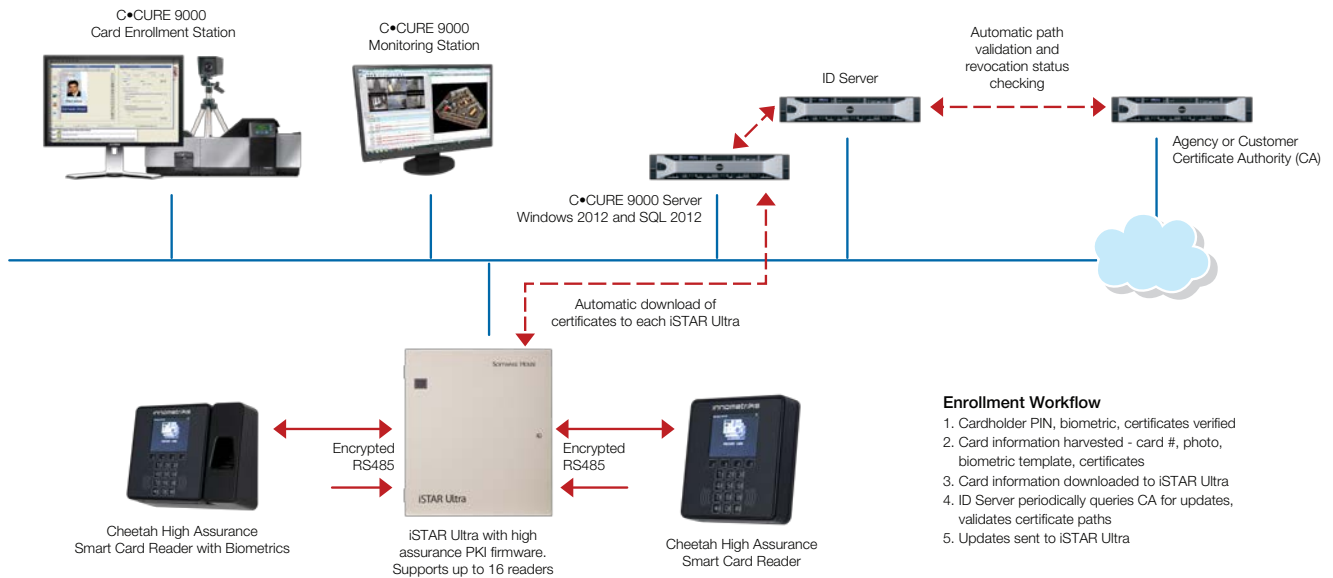
## Specifications

CPU . . . . . . . . . . . . . . . . . . . . . . Intel i3 Processor 2GHZ+
Memory. . . . . . . . . . . . . . . . . . . 4GB RAM
OS. . . . . . . . . . . . . . . . . . . . . . . CentOS (32-bit) or
Red Hat Enterprise Linux 6.9

Hard Drive . . . . . . . . . . . . . . . . . 500GB
Network Interface Card (NIC). . . . 1

## Innometriks Identity Sever is available in three configurations:

### ID Server Appliance

ID Server Appliance is a turnkey hardware device, a NUC, pre-configured to work as soon as you plug it into your network and identify the assigned IP address.

### ID Server OVA

ID Server OVA is a virtual appliance file, designed to run on a host system as a virtual machine.

### ID Server RPM

ID Server RPM is the ID Server installation package in an RPM format ready to be installed onto your Linux computer.

## System Architecture



C•CURE 9000 Card Enrollment Station

C•CURE 9000 Monitoring Station

C•CURE 9000 Server Windows 2012 and SQL 2012

ID Server

Automatic path validation and revocation status checking

Agency or Customer Certificate Authority (CA)

Automatic download of certificates to each iSTAR Ultra

Cheetah High Assurance Smart Card Reader with Biometrics

Encrypted RS485

iSTAR Ultra with high assurance PKI firmware. Supports up to 16 readers

Encrypted RS485

Cheetah High Assurance Smart Card Reader

**Enrollment Workflow**
1. Cardholder PIN, biometric, certificates verified
2. Card information harvested - card #, photo, biometric template, certificates
3. Card information downloaded to iSTAR Ultra
4. ID Server periodically queries CA for updates, validates certificate paths
5. Updates sent to iSTAR Ultra

## Ordering Information

| Model Numbers | Description |
| --- | --- |
| INN-IDSVR-APPL | ID Server appliance |
| INN-IDSVR-VM | ID Server OVA |
| INN-IDSVR-SW | ID Server RPM |

## Related Products



Cheetah Reader

Rhino Reader

iSTAR Ultra