

## Overview

Cornerstone® is a highly-configurable biometric identification management suite, implemented using client/server architecture over a TCP/IP network. It is based on the Argus True ID® Framework and is implemented as a range of fully-functional inter-linked business modules. Cornerstone is easily integrated with third party systems to maximise re-use of existing information.

Cornerstone's Gallagher integration supports:

- ✓ automated synchronisation of **user data**
- ✓ posting of biometric-device related **events and messages**.

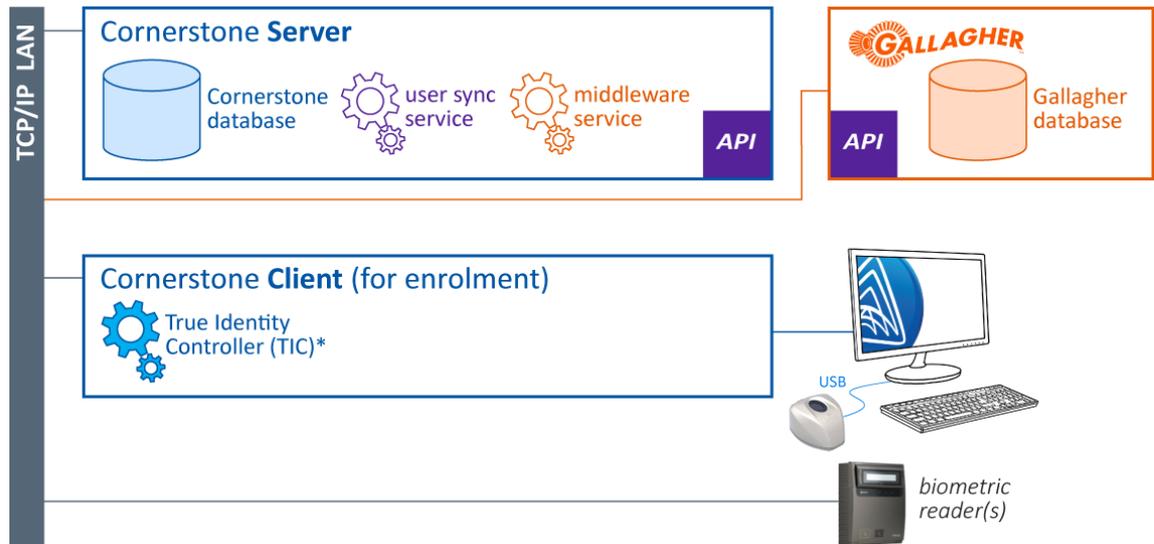
## User data synchronisation features

- ✓ connects directly to the Gallagher database using the **Direct Database Interface**
- ✓ automatically synchronises user data at a configurable interval
- ✓ imports new users and updates the user data already held in Cornerstone as required
- ✓ maps Gallagher user data fields to Cornerstone user fields
- ✓ maps Gallagher Access Groups to Cornerstone Enrolment Groups
- ✓ applies business rules to manage users with multiple card numbers/access groups
- ✓ manages data integrity by preventing the editing of integrated users

## Event processing features

- ✓ posts events to Gallagher using the **Gallagher Command API**
- ✓ notifies the result of the Cornerstone biometric authentication of a user, triggered by a valid card read using a Gallagher-controlled card reader (as part of a dual-authority identification — Cornerstone acts as the second reader)
- ✓ notifies the result of the Cornerstone biometric identification of a user, triggered by Cornerstone (directly or by using a Cornerstone-controlled device)
- ✓ reports device-detected tamper events (if supported by the biometric device)
- ✓ reports device-detected warning events (if supported by the biometric device)

# Sample Cornerstone Implementation



As a minimum, a typical Cornerstone implementation with a Gallagher integration includes:

- a Cornerstone server which also runs the services used for the integration
- at least one Cornerstone client and at least one running a TrueID Controller (TIC)
- network-enabled biometric device(s).

## Sample Workflows

### Gallagher-initiated authentication

- User badges card on a Gallagher-controlled reader
- Cornerstone detects the valid card read (by polling the Gallagher Command API)
- Cornerstone performs a biometric authentication
- Cornerstone notifies Gallagher of authentication outcome via Gallagher Command API (in effect acting as the second card reader for the dual-authority identification)
- Gallagher effects appropriate response (e.g. opens door).

### Cornerstone-initiated identification

- Cornerstone biometrically identifies a user (triggered by the device itself or by identification on a Cornerstone-controlled card reader)
- Cornerstone notifies Gallagher of the identification outcome via Gallagher Command API
- Gallagher effects appropriate response (e.g. opens door).

## Low-Level Integration Option



With the addition of a Cornerstone Hardware Controller Cornerstone (TIC), Cornerstone can be configured to communicate with a Gallagher system via a Wiegand connection. The Hardware Controller can also be used to control door strikes and communicate via a Wiegand connection to card readers and other hardware devices.