



 **Crowd**

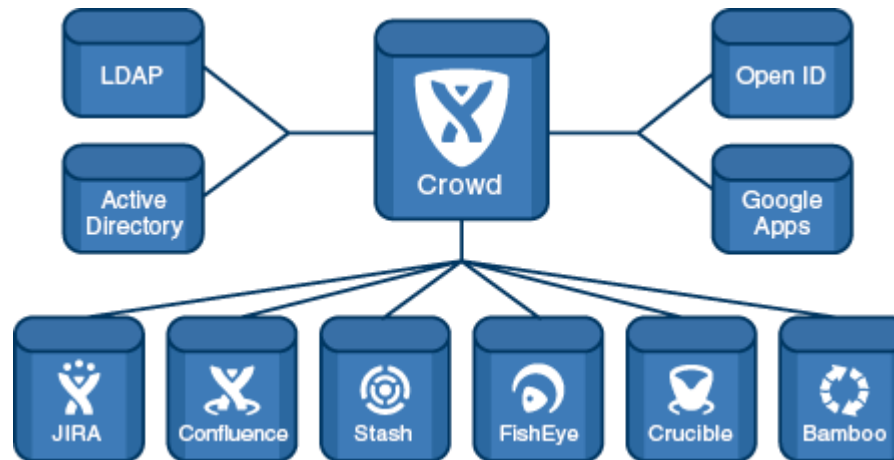
Agenda

- Introduction to Crowd
- Crowd Features
- Crowd Architecture
- Crowd User Alias Management
- Configuring with other Application
- Crowd Administration



Introduction to Crowd

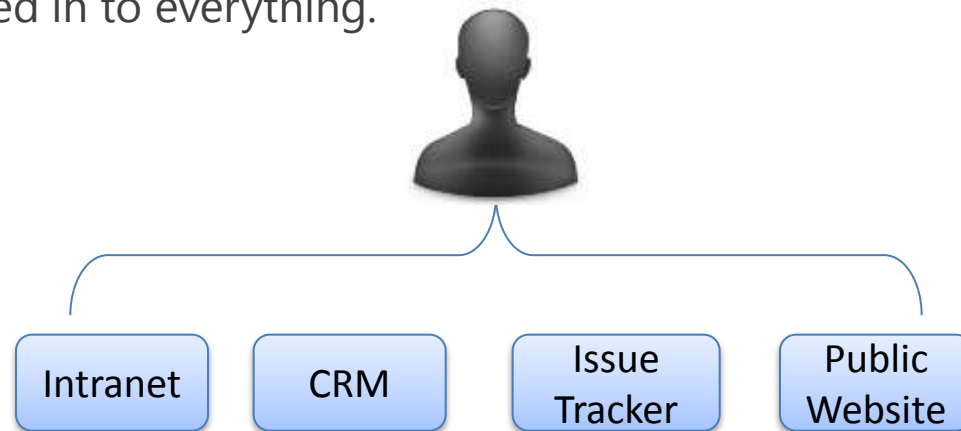
- Crowd is an application security framework that handles authentication and authorisation for your web-based applications.



- With Crowd you can quickly integrate multiple web applications into a single security architecture that supports single sign-on (SSO) and centralised identity management.

Crowd Features

- **Single Sign On(SSO):** users authenticate once, and are automatically logged in to everything.



- **Integrate your apps:** Give developers one REST interface to every user and group – no need to learn LDAPv3. Also, you can change directories without impacting your applications

Crowd Features

- **Consolidate your user bases:** Reduce administrative overhead by migrating users from all your Atlassian applications into Crowd.



- **Built to scale:** Manage thousands of users, hundreds of groups, and tons of apps – Crowd handles it all.

Crowd Features

- **Available, all the time:** Ensure users can access your other Atlassian applications – like Confluence and FishEye – while you are upgrading JIRA or performing maintenance that requires downtime.
- **Extend with add-ons:** Customize Crowd for your needs with custom authenticators and connectors shared on the Atlassian Plugin Exchange.



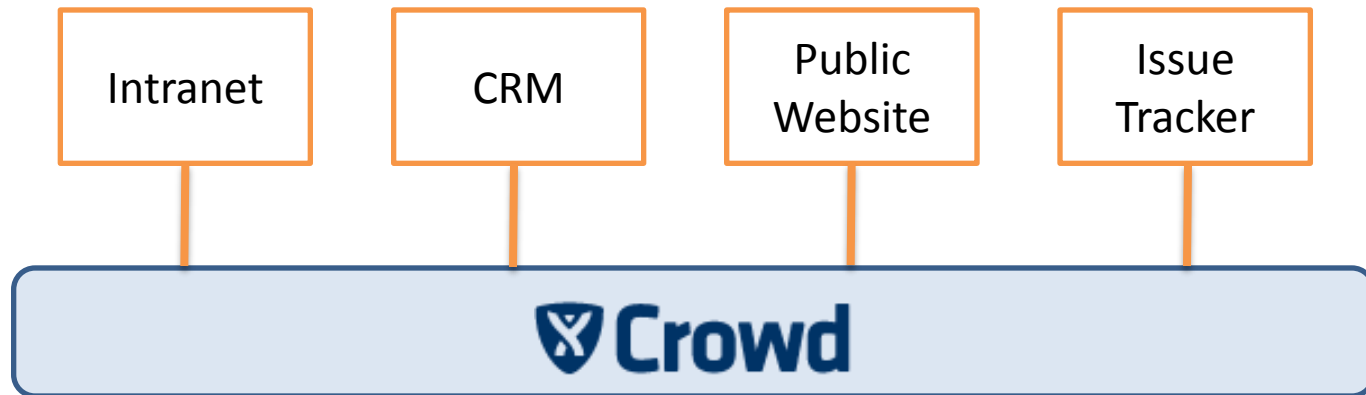
Centralized Identity Management

- The ability to capture, store and manage user identity information centrally.
- Users from multiple directories can be centrally managed via a single administration console.
- Manage application permissions in one place, from the same console

Architectural Overview

Linking with Applications

- An application can only communicate with Crowd when the application uses a known host address.
- Once defined, an application is mapped to a directory(s), whose users are then granted access to the application.



Architectural Overview

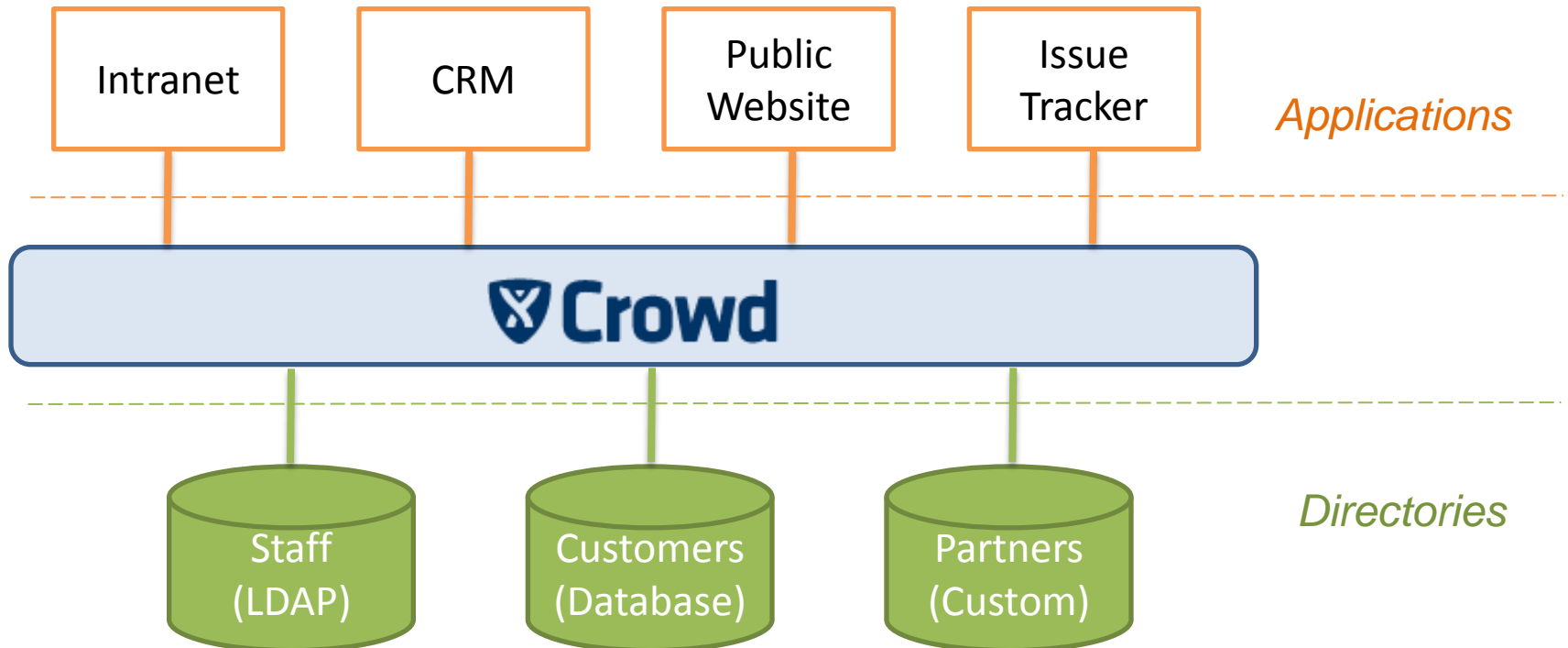
Connection with Directories

- Once you have defined a directory in Crowd, you can map it to applications. Crowd will then pass authentication and authorisation requests to the directory, for all applications that are mapped to that directory.
- Crowd supports an unlimited number of user directories.



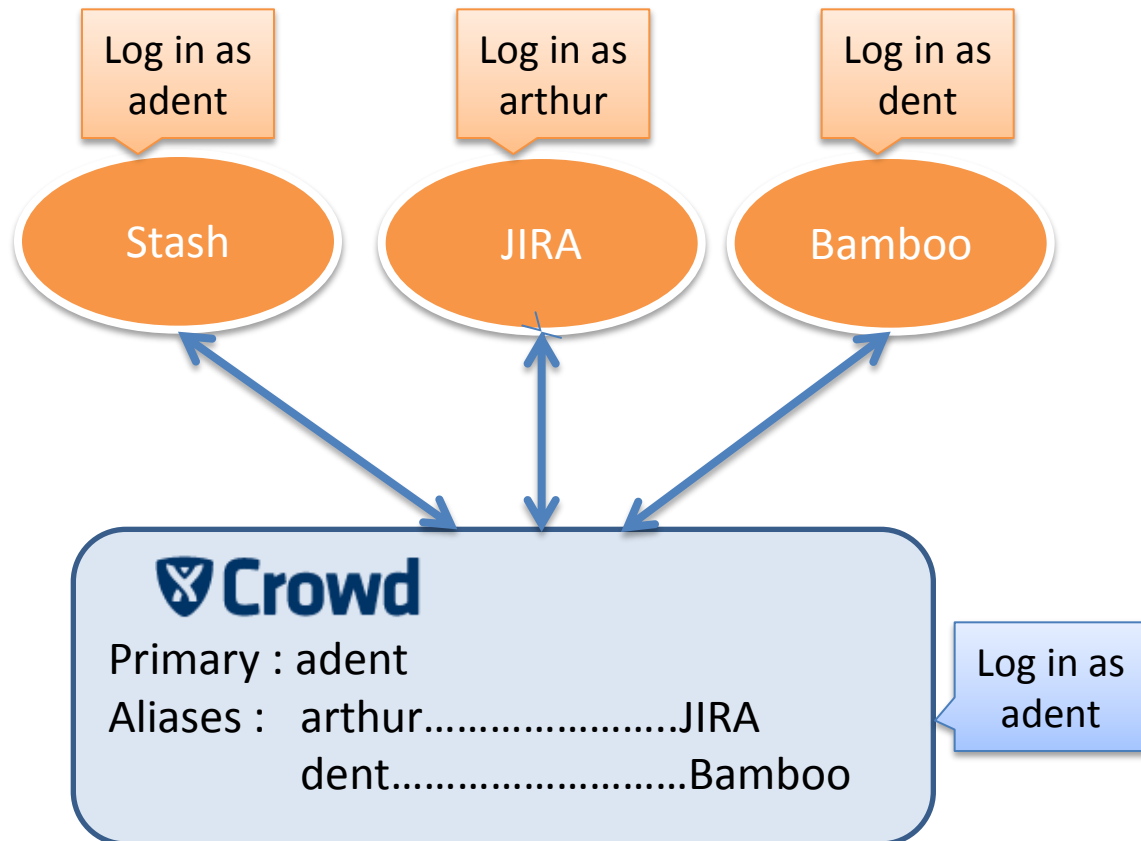
Architectural Overview

- Crowd is a middleware application that integrates web applications into single security architecture
- Crowd works by dispatching authentication and authorisation calls from configured applications to configured directories.

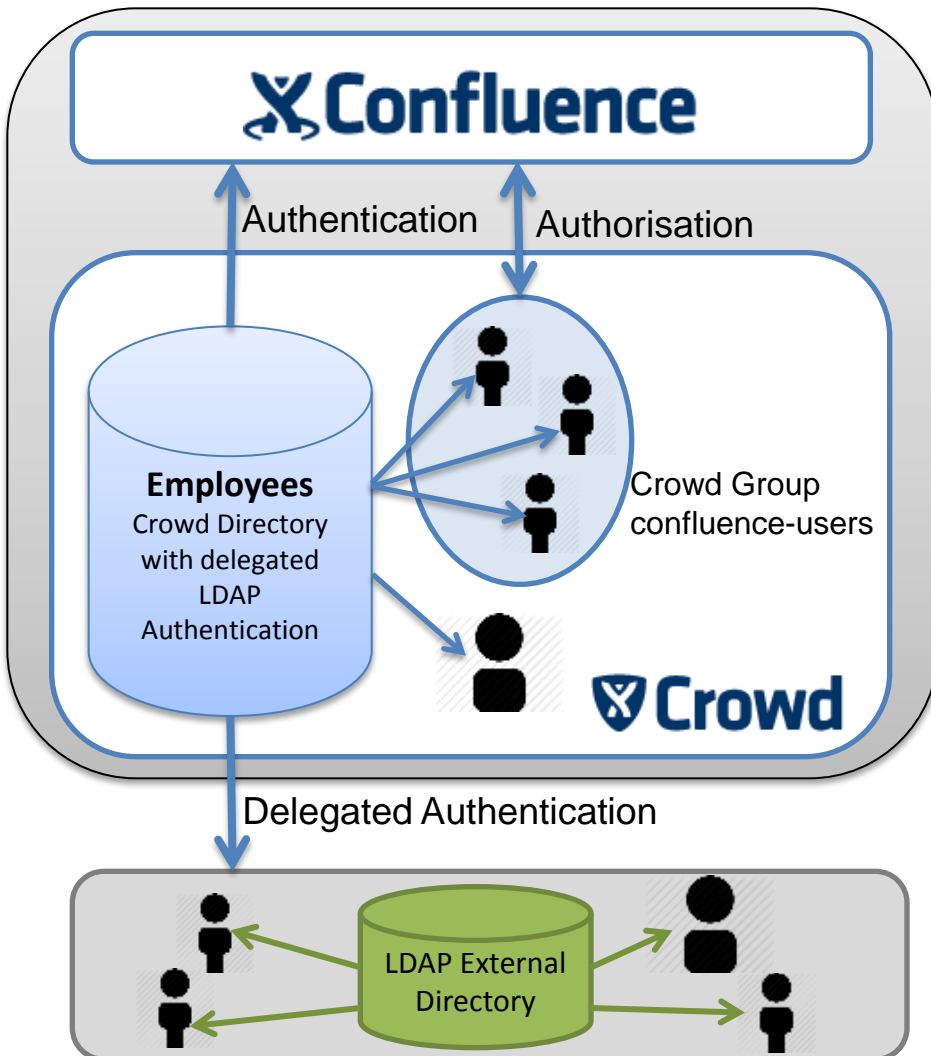


Crowd User Alias Management

- A single user can have different usernames in different applications. These different usernames are called 'aliases'.
- Using Crowd, you can link a number of usernames as aliases
- Log in just once to any application and Crowd's SSO will log you in to all others using the appropriate alias.



Integrating Crowd with an Application




- A Crowd Delegated Authentication directory called 'Employees' which contains the group 'confluence-users'.
- An LDAP directory containing all your employees and their authentication details (e.g. username and password).

Integrating Crowd with an Application



Crowd Administration

 **CROWD**

User: Prakash Su

ApplicationsUsersGroupsDirectoriesAdministration

General

Licensing

Mail Configuration

Mail Template

Session Config

Current Sessions

Trusted Proxy Servers

System Info

Backup

Restore

Logging & Profiling

LDAP Connection Pool

General Options

Deployment Title: *
The name of this Crowd instance.

SSO Domain:
The SSO domain for this Crowd deployment. Example: .acmecorp.com. Leave this field empty if you want cookies to be set to the domain that requests are made to.

Secure SSO Cookie: ☐
This Checkbox is disabled because the Crowd Administration Console is not being accessed over SSL/TLS. If checked, the "Secure" flag is set on the cookie. This will break SSO for applications not accessed over SSL/TLS (https://), potentially making logging into Crowd impossible.

Enable Authorisation Caching: ☒
If checked, Crowd will cache a users authentication and per-application permissions for a specified period. Recommended setting: Enabled, for vastly better performance. Disable only if you need immediate results when removing users or their permissions.

GZip Compression: ☒
Tick the box to enable GZip compression of responses from the Crowd Security Server.

Crowd Administration



Any Questions?





Thank You!