



# Case Study

## Physical Security Services



## Company Profile:

A large nationwide ISO9001:2000 certified security services firm with over 20,000 employees.

## Original Problem:

Provide a secure web based document delivery platform that integrated with legacy services.

## Requirements:

1. Users do not have to re-authenticate to the PDF distributor to receive their documents.
2. Users who have not been authenticated by an authenticating application cannot download documents from the PDF distributor.
3. URIs for particular PDFs expire after a short time, and cannot be used later.
4. Major changes to the existing authenticating applications MUST NOT be required, but changes permitting the authenticating applications to communicate with the PDF distributor MAY be required.
5. Communication between the authenticating applications and the PDF distributor MUST be authenticated and secured.
6. Communication between the downloading client and the PDF distributor MUST be secured, but MAY be authenticated only indirectly.

## Solution:

Utilizing PostgreSQL and Perl Command Prompt developed an IP+Hash expiring authentication mechanism. The interface has a web based control panel for controlling access including host, user and or time expiration.

Using the above solution the application was able to adhere to the requirements set forth by the customer to deliver any document dynamically via a standard URI.

## Resources:

Perl: <http://www.perl.org/>

PostgreSQL: <http://www.postgresql.org/>