





The County of DuPage, IL

Warrant Management System Software

RFP Number 24-075-SHF

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Casey Roussel – President / CCO 4305 Bluebonnet Blvd., Baton Rouge, LA 70809 Phone: 225-412-2267

Email: Casey.Roussel@fusionstak.com

Executive Summary

Here at CloudGavel, we have dedicated ourselves to building innovative solutions for Public Safety and State & Local Governments. We have a deep understanding of local governments and what is expected of their vendors. Our goal has always been to deliver the best product on the market and then follow it up with the best support on the market. No matter how hard we try, there will always be issues that arise and when they do, our trained team will be there with you to address them.

CloudGavel is nationally recognized as the leading voice in electronic warrants. Our leadership team were pioneers in the eWarrant industry and our eWarrant solution, CloudGavel, has become the most widely used eWarrant solution in the country. Because of our extensive experience and knowledge in this field, we have a very good understanding of what the needs are of DuPage County in regard to this RFP.

We understand that the needs of our clients are changing and that their systems must be able to adapt to those changes. Because of this understanding, we have designed CloudGavel to be responsive to these changes. Thus, allowing us to make real-time customizations and/or rapid software updates that allow our clients to stay on the cutting edge of functionality and useability.

CloudGavel created the most widely used eWarrant Systems in the country. More than 300 agencies nationwide depend on CloudGavel to meet their eWarrant needs. The state and local government agencies currently using CloudGavel include law enforcement, district attorneys, courts, clerks' offices, sheriff's offices, police departments and more. CloudGavel's law enforcement & Judicial domain user base exceeds 18,000 nationally with agencies that span from a single user to agencies of 2,000+ users. The following map depicts CloudGavel footprint in the country.

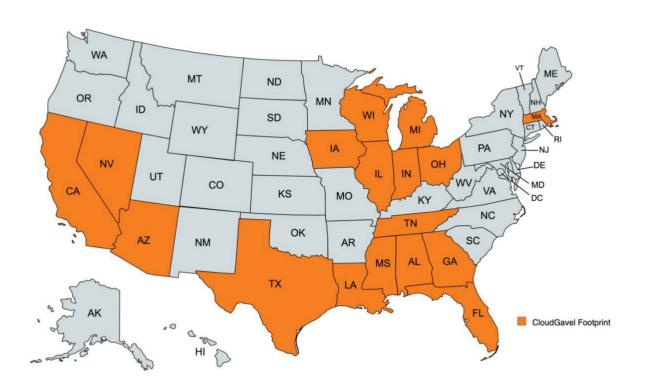
Our commitment to delivering that best solution and best customer support in the market has not only allowed CloudGavel to become the premier eWarrant solution in the country but it has also allowed us to have 100% client retention. CloudGavel is now used throughout 17 states by hundreds of agencies and our proudest accomplishment is that no agency has ever left the CloudGavel family.

We are most appreciative to have the opportunity to present CloudGavel to DuPage County.

Sincerely,

Casey Roussel President / CCO CloudGavel LLC

CloudGavel Client Footprint



Description of Solution Functionality

The CloudGavel Platform is the industry leader and a robust platform for criminal warrant, bench warrant, and subpoena management. Rather than starting with a custom build, the CloudGavel Platform allows the County to start with a proven solution that can be up and running in days to show participating agencies end-to-end document flow.



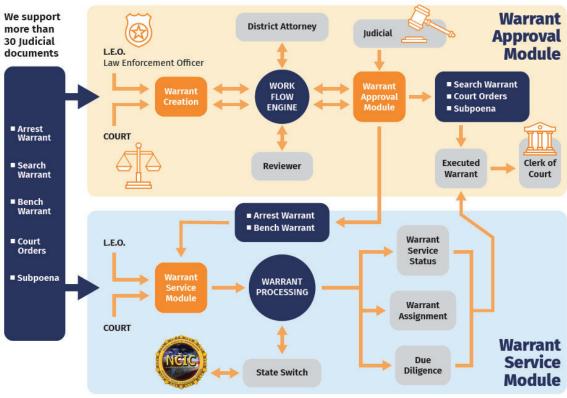
The CloudGavel Platform is currently hosted in the AWS government cloud and is built on Microsoft c#.net. The core CloudGavel Platform has eight modules that, when configured, will meet all the requirements of the County.

We will use CloudGavel as the product platform base to start your project and configure it to meet the needs in the RFP, policy documents, supporting documents and items identified during discovery. Our focus will be configuration and closing any gaps in the solution versus long cycle, high risk, low result, bug ridden custom development from scratch.

CloudGavel cradle to grave warrant context diagram

Our team of subject matter experts has decades of government experience conducting one-time data migration from legacy systems into new replacement platforms. We also have vast experience in real-time APIs that are required to seamlessly share data with participating agencies groups through compliant secured encrypted data transmission channels. When the County chooses CloudGavel as their partner, what the County gets is a mature team and a mature CloudGavel platform. The CloudGavel Platform has over seven years of industry intellect and development built into the platform. This provides secure roles and configurable document management specifically for the warrant industry.



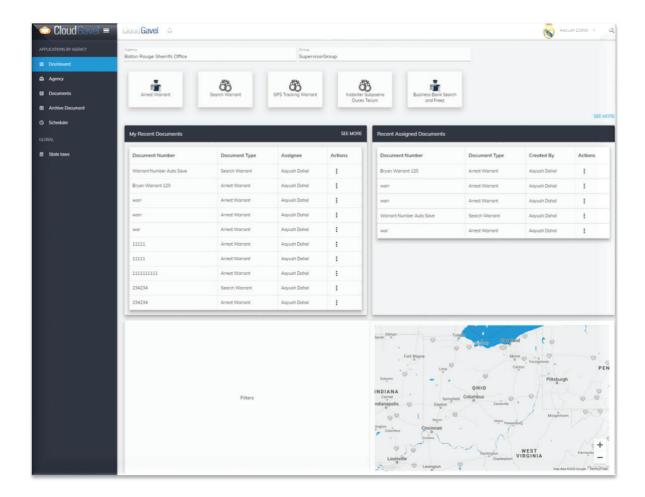


CloudGavel Application



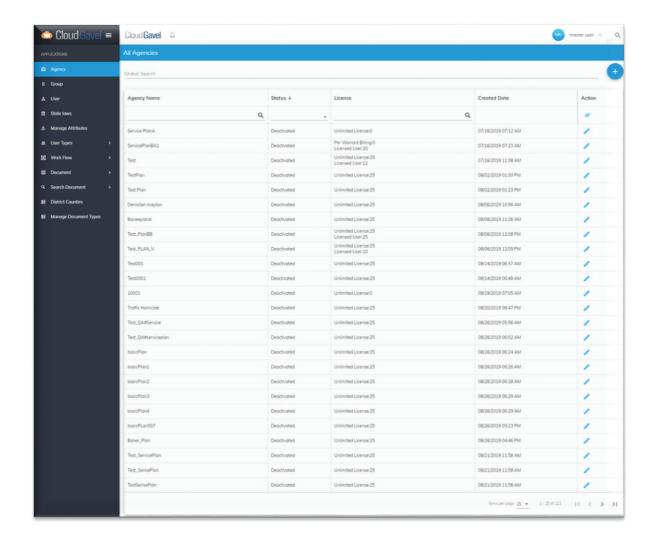
User Dashboard

The CloudGavel dashboard is a powerful tool where the user can create documents and see their workload. The dashboard is divided into a search section where the user can select the desired agency or select across agencies. The Warrants templates available to the user are shown as icons at the top of the dashboard so the user can create a new document for data entry.



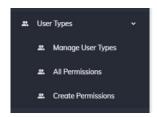
Agency Management

The agency management screen lists all agencies in the CloudGavel system. The Super Administrator and Administrator can see the agencies they manage from a single listing. Edit capabilities allow the admin to set up the full configuration of templates, users, and workflow for the agency.



Roles and Privileges

CloudGavel has a robust security module. Security settings are configured in roles, groups, users, guest groups, and workflow depending on which security permission the administrator is configuring. Users and their groups are tied to permissions that are defined in the CloudGavel and give access levels to areas of the User Interface. The graphic on the right depicts the user type menu.

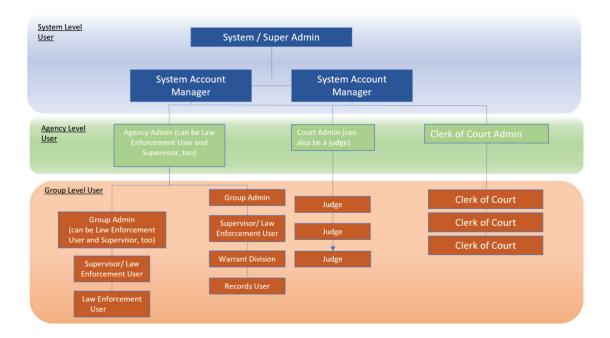


CloudGavel supports:

- Super Users Typically state level staff that will set up agency accounts.
- Admins Administrators at each agency (Court, Sherriff, PD etc.). Will manage the agencies configuration, workflow, user roles, warrant templates and core system administration. Admins can set up Group Admins and users.
- **Group Admins** Within an agency it is typical for there to be work groups and a taskforce. Group Admins allow an agency to create admins that manage and invite selected users.

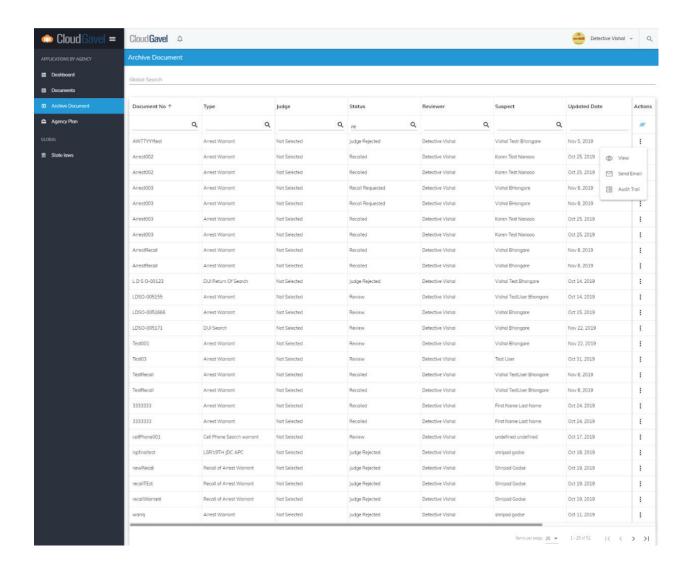
- Users Users are invited and configured by Admins or group admins. Users cannot administer system level settings.
- Guest Groups Guest groups can be added to an agency by an Admin. It allows two or
 more agencies to share users and work on configured warrant groups collectively. This
 occurs with a special taskforce, cooperative agreements. It also occurs when State Police
 work in support of an agency.

The graphic on the following page illustrates the administration hierarchy.



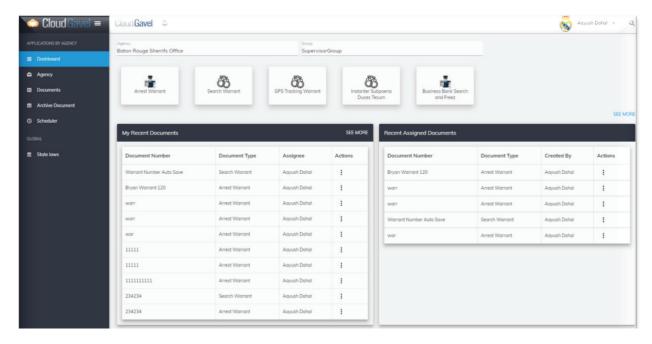
Search

The CloudGavel solution supports search, creation, approve, servicing and updating of warrant request and protection orders. The solution allows the creation of any document type in the template manager (Arrest Warrant and Protection Order). The search screen below will be configured for the primary search parameters needed by the county. As shown on the popup menu (graphic below), after a record is found, the user can view the record, send an email to the parties involved in creating the Warrants and Protection Order or see the audit history.



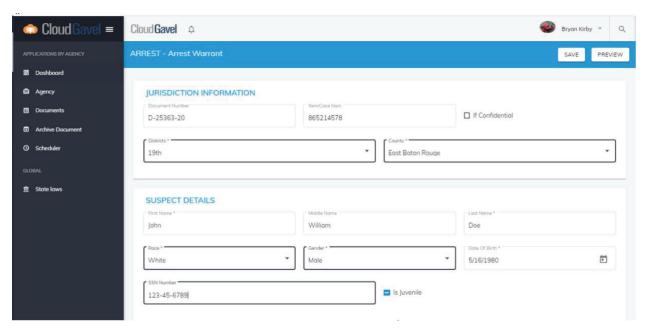
Add Warrants

The top of the dashboard for each user shows "card icons" to illustrate the type of document the user can add. These cards will be shown based on the users' permissions. For example, admin users will not have any add document cards. Some user groups will be able to add protection orders while others may not. To add a new Warrant the user will click the desired card icon and a data entry screen will be displayed. The next screenshot shows the dashboard with document add cards.



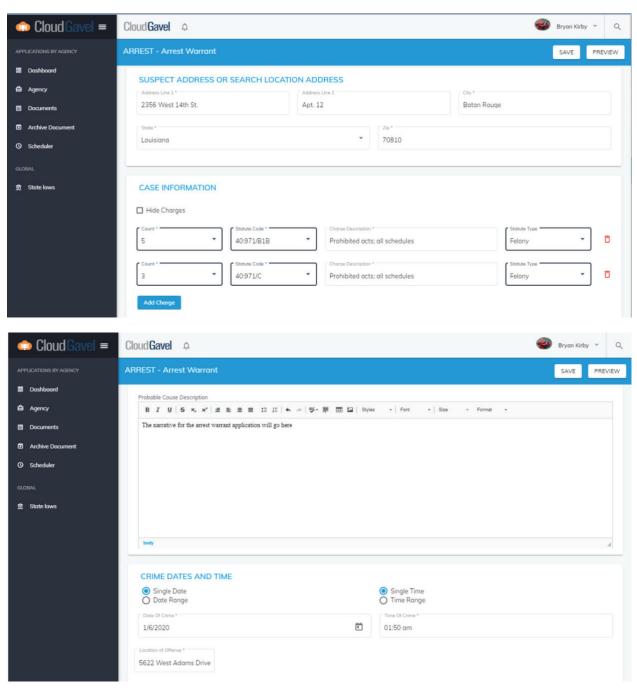
Enter Update

The CloudGavel system has robust features for managing Warrants. As shown in the menu on the dashboard below, the user can view, clone, notify, update assignee or update the document based on their user permissions. Clone allows the user to replicate the document will all data to start a new audit trail or create a similar Warrant or Protection Order for another suspect/person under a similar situation. Typically cloning is used when more than one person is being arrested for the same incident. The next screenshot depicts an example data entry screen 1 - Warrants Data Entry.

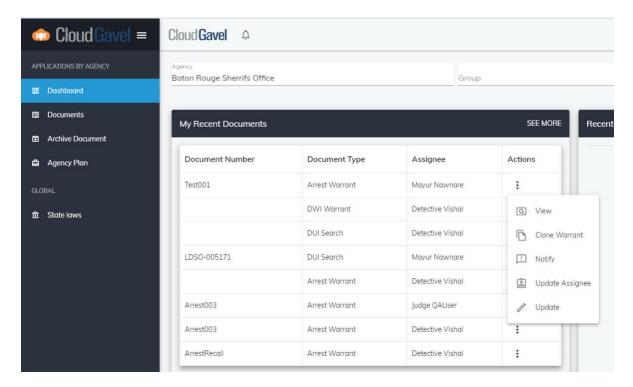


Below are sample data entry screens built using the CloudGavel Platform template creation system. As shown in the sample screenshots, the system allows a variety of text boxes, drop down

lists, check boxes, date selectors, and note fields. There is no limit to the number of fields or data types that can be captured in the template designer and then the CloudGavel Platform engine draws the template for data capture.

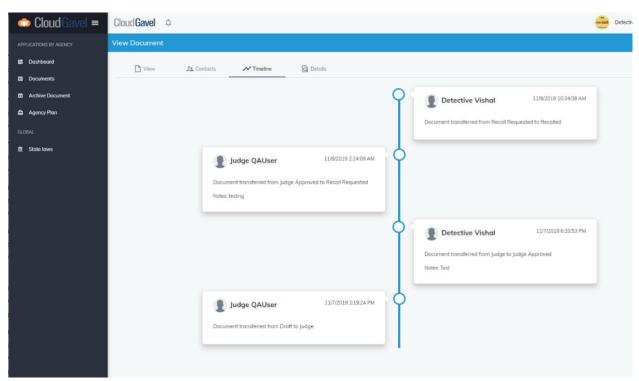


By accessing the ellipses icon in the My Recent Documents dashboard, the user can access several shortcuts to manage a document. These features include the ability to view the document, clone it, notify participants in the workflow, update the next assignment in the workflow, or update the content of the document. These functions are driven by the user's security permission and the rules established in the workflow configuration.



After opening the view menu, the user can see a snapshot of all contacts associated with the Warrant and Protection Order documents. The summary shows a timeline of when the contact participated in steps in the Warrants document workflow.

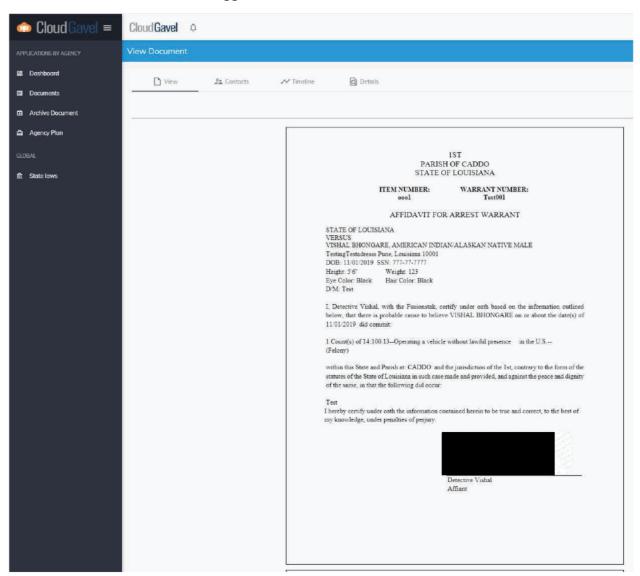
Following are additional examples of data entry screens.



After opening the view menu, the user can print the Warrant and Protection Order documents from the print icon. The system will render a PDF document.



Warrants, or any other document capture the state adds to the CloudGavel Platform, are displayed as a PDF inside the CloudGavel application.



The CloudGavel Platform has three robust features for searching: Dashboard, Reporting and the Data Exchange. The dashboard is a user's central location for accessing their working queue of Warrants that they created, reviewed, approved or in service. The reporting system allows users

to search using selected fields and produce a preformatted report or export data to a CSV or XLS file. The Exchange is much like the user's dashboard but is the location where users can search across agencies for warrants. The Exchange allows the client to configure which types or warrants are shareable.

Warrant Template Manager

The CloudGavel forms development engine allows you to create new warrants, subpoenas, court orders, bond orders and any other documentation that requires court approval. The admin users can create the fields for each warrant type, assign permissions to users and CloudGavel will render the warrant for data entry when a user creates a new warrant. Users are assigned to a warrant by user role and group. There is also an option to make the warrant confidential or assign the warrant to a specific person within the authorized list of users. Users can upload PDF files/documents to each warrant. The administrator can do the following when setting up a new warrant template.

- Definition of warrant types
- Configuration of content
- WYSIWYG editing of content with rich text features for bolding, formatting and color content.
- Insertion of pictures, logos and images into content.
- Scheduling of begin and end dates for use of warrant configuration for seamless administration and testing.
- Track changes to each with version control

Workflow Engine

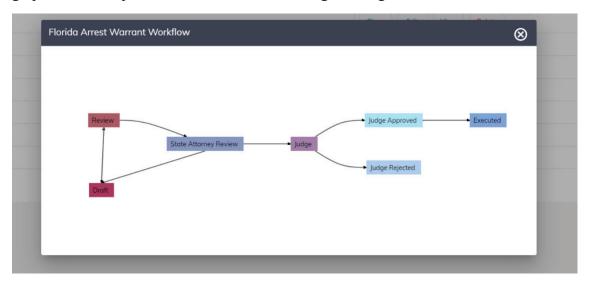
CloudGavel has industry standard workflows for supervisor approval of warrants and flow of warrants between judges and warrant affiants. All of this is out of the box with the ability to configure workflows dynamically. CloudGavel's powerful workflow engine enables the control and automation of the warrant process, documents, and electronic signing. New warrants can be added, and content adjusted at any time.

With each workflow, clients can decide what should happen, and modifying workflows is easy for any user skill. CloudGavel's default workflows can be used as is or configured for your specific needs. Workflows can be defined by roles, business processes or schedule. Users are alerted to pending tasks by the notification systems and the dashboard. Configuration is at your fingertips.

- Create simple or multistage workflows
- Delegate approvals in your absence
- Perform complex validation of data before processing.
- Generate notifications via email, SMS and in-app pop-ups
- Push or fetch data from other systems
- Trigger secondary or parallel workflows automatically
- Track workflow history

Audit log of data changes

The graphic below depicts WYSIWYG workflow engine designer



The solution allows printing of warrants and Protection order information as PDF documents. See printing discussion above under warrant entry and update.

The solution provides an electronic PDF document that is searchable and describes each screen. In addition, each screen has a help link.

CloudGavel Platform has an audit trail that tracks who edited a warrant with the date and time. As the document moves through the workflow engine, comments/notes and other data can be added to the warrant.

CloudGavel Platform has a robust search engine. The user can query data by a variety of information such as warrant number, SSN, agency, etc. During the discovery phase we will collect all the search fields needed and add them to the search screen as filter elements.

CloudGavel Platform will allow users to note and make comments on a warrant. If the user wants to make changes that another user created, the user either adds a note or comment transaction or clones the warrant and makes updates under their user account. This allows the original document content to remain intact. Review or judge can reject and comment on the change needed.

Warrant Service Module

Warrant Entry (Option 1) – CloudGavel Electronic Warrant (eWarrant) application The CloudGavel Electronic Warrant Module allows for officers and courts to fill out warrant applications, court orders and subpoenas in the online document processing application. For example, if an officer needs to get an arrest warrant for a suspect determined during the course of an investigation, that officer will begin this process in the eWarrant Approval Module.

First, the officer will fill out the affidavit and application for the warrant. In this affidavit, the LEO will include all relevant information concerning the suspect, the elements of the crime and the probable cause narrative. Once this application and affidavit is completed, the LEO will then send the document to the next step in the process. This may include review of the application / affidavit by a supervisor or a prosecuting attorney.

Next, the application / affidavit is sent to the "on duty" judge to be reviewed and, if approved, signed by the judge. During this step, the judge may also set up the amount of bond and any conditions for bond for the associated warrant. The judge's signature is added electronically, and the warrant is sent back to the requesting officer and the Warrants Division of the DuPage County Sheriff's Office.

The Warrants Division user is then notified that a warrant has been submitted. They then open the submission and review the information that was provided in the application. This information is limited to the suspect and the elements of the charges from the warrant; the information from the probable cause narrative is not available to the Warrants Division users. Once the Warrants Division user verifies the information provided on the warrant, the warrant is then confirmed and entered into the CloudGavel Warrant Service Module and LEADS.

Note that any document that needs to be processed by the Law Enforcement Agencies, prosecuting attorneys or the courts can be created, distributed, and signed within the CloudGavel eWarrant Module. This can include Arrest Warrants, Bench Warrants, Search Warrants, Subpoenas, Court Orders and any other document type.

Warrant Entry (Option 2) – Manual entry into the CloudGavel Warrant Service Module This option follows more closely the existing warrant entry method. The application and affidavit are created manually by the officer and printed out. The printed copy is carried to the on-duty judge to be signed by hand. The officer then carries the signed warrant to the Warrants Division at the Sheriff's Office where it will be manually entered in the Warrant Service Module and CLETS.

Once the Warrants Division receives the paper copy of the warrant, the user then enters the suspect information, related charges, and bond information into the Warrant Service Module. (This is the same information that would be imported from the CloudGavel Warrant Module.)

Warrant Entry (Option 3) - Warrants can be auto-entered through an integration between CloudGavel and a third-party records management system operated by the Courts, Clerks, etc...

Warrant Assignment

Both entry methods will allow the warrants division user to select the "Originating" agency (required), the "Agency Assignment" (optional). If the user selects the Agency Assignment, they can also pick a user OR user group to which the warrant would be

assigned for execution. If no agency is selected at the time of warrant entry, the warrant division users at the Sheriff's Office would need to select that agency later. If an Agency is selected, but no user or user group is selected, the warrant division user OR an agency administrator at the assigned agency could select the user or user group assigned to the warrant for execution.

Submission To LEADS/NCIC

After the warrant entry / import process has been completed, the Warrant Division user will be prompted to submit the warrant information to LEADS/NCIC. Upon confirmation, the warrant information will then be submitted to the State Switch and sent to NCIC and LEADS.

Warrant updates made through the Warrant Service Module can also be confirmed and pushed to NCIC/LEADS. This will include status changes, charge/bond changes and suspect information/details updates. After the change is made by authorized personnel, the user will be prompted to update the NCIC/LEADS entry through the Warrant Service Module.

Warrant Service/Due Diligence

Once entered, the assigned agency will be responsible for maintaining, updating, and correcting the warrant in the Service Module. Specific users, including users responsible for the administration and execution of the warrant, will have access to the warrant for administrative purposes. These two roles can be, but do not have to be, assigned to the same user. (i.e. – the release to agency may have a "warrants division" user assigned to administer the warrant and a separate officer assigned to execute the warrant.) Each of these roles and what they can do will be based on role-based permissions. These functions include, but are not limited to, the following items:

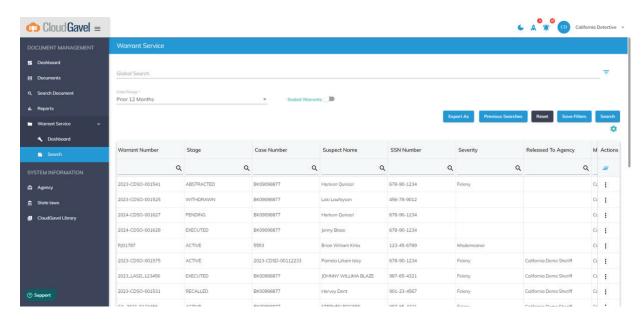
- Update suspect name, suspect demographic information, suspect identifiers (SSN, FBI, LEADS, etc.),
- Suspect location information including current, last known, and suspected addresses and, if incarcerated, that the suspect is incarcerated and the location of incarceration
- Charging and bond information
- Updating State and status (Active, On Hold, Outstanding, Served, Recalled, Error) and the states relative status
- Adding, editing, or updating warrant service notes, including reports on Due Diligence
- Assigning the warrant to a specific user or user group to be served
- Print, download to PDF or email the warrant abstract
- Print, download to PDF or email the warrant information sheet
- Print, download to PDF or email the warrant service history, including due diligence
- Run on demand or schedule agency level reports. These reports may be printed, downloaded as PDF or emailed to other users inside the system.

Warrant Information Access

After the execution or recall of the warrant, the assigned agency or the warrant division of the Sheriff's Office can update the warrant status to reflect this change. Once moved to the status of served, recalled or error and placed in inactive status, only users with the specifically assigned permission would be able to move the warrant from these stages/statuses back to "active."

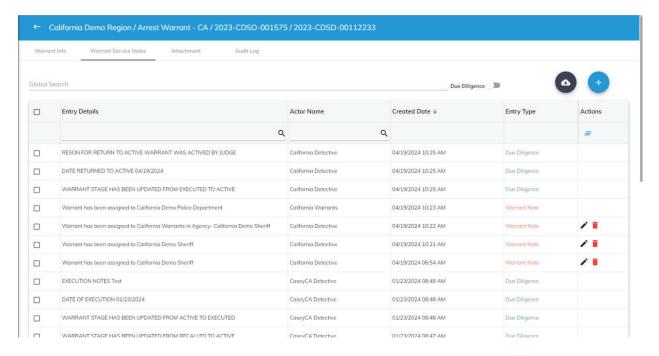
At any point during the warrant service process, all authorized parties can access the warrant information in a "view only." This may include the Courts, the Clerk of Court's office, county prosecutors and approved Law Enforcement Agencies.

Warrant Service Module Screen Shots and Text



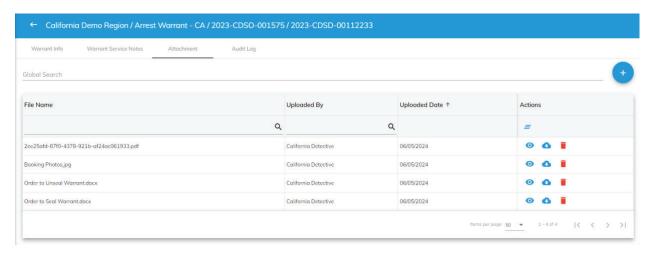
Warrant Service Module - Search Results Grid

- Results can be sorted by clicking in the header of each column. This will alternate between ascending and descending order.
- Results can be filtered by adding a value in the column filter (beside the magnifying glass).
- Results can also be filtered by adding a value to the Global Search at the top.
- Once the correct warrant is located, that entry can be viewed by clicking the "action button" in the far-right column and selecting view. Other actions can be added to the main page as needed.



Warrant Service Notes / Due Diligence Log

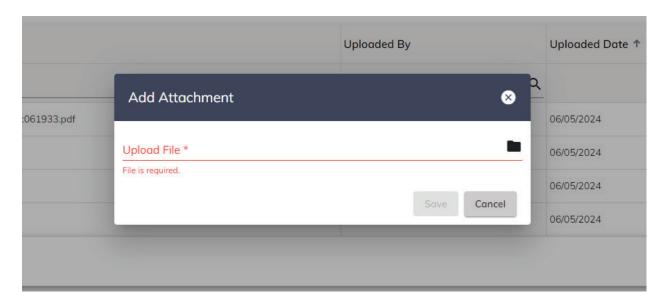
Lists all activity and entries made for the specific warrant. Users can download a list of the entries into CSV or PDF. New warrant notes and Due Diligence activities can be added from this page. Data updates, document uploads, assignments and status/stage changes are automatically entered on this page. Entries can be sorted and filtered by utilizing the column header (to sort) and the column filters. Global search will search/filter all columns for the entered data. Actions, including viewing and updating the entries, can be taken by clicking the button in the action column and selecting the appropriate action.



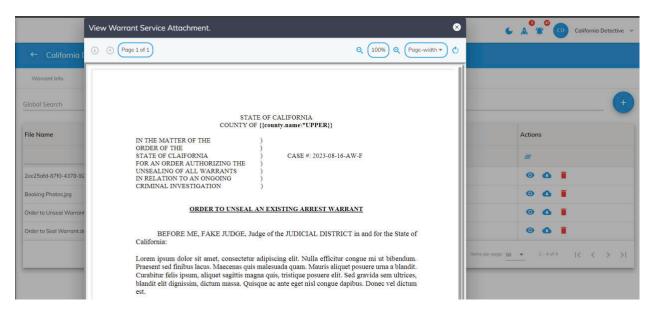
Attachment / Document View

Externally generated documents can be uploaded to and accessed from the attachment page. New documents are added by clicking the add button (top right of the grid) and uploading the document by file selection or drag/drop. Uploaded documents can be viewed in an iFrame

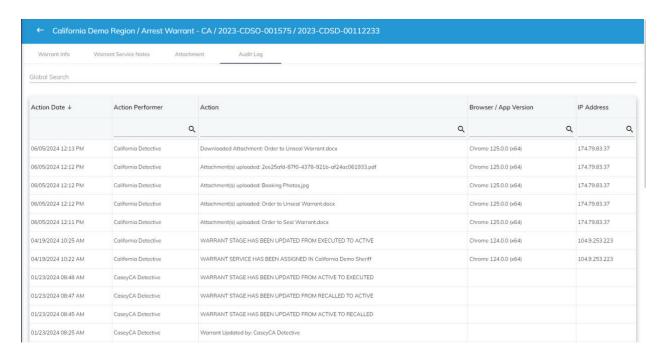
window by clicking the "view" icon. Uploaded documents can be downloaded to the user's local machine by clicking the "download" icon.



File Upload Utility



Uploaded File iFrame Window View



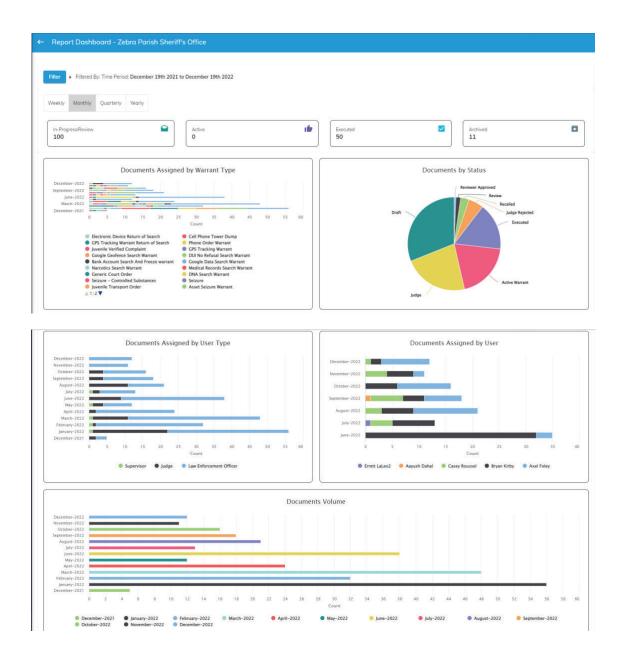
Warrant Service Audit Log

All actions taken on the warrant entry, including view, print and export, are recorded Information from the grid can be exported to CSV or PDF.

CloudGavel Warrant Dashboard

Reporting

CloudGavel platform supports configurable dashboards and extensive reporting which are capable of being pulled for various warrant types in the Status/Stages in the system. Filters can be added to allow you to see warrants by any captured parameters. You can generate reports in graphical or in tabular format which can be exported to CSV or Excel.

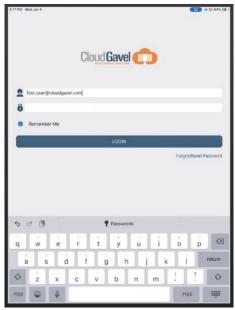


GIS

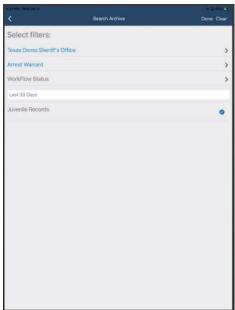
The CloudGavel Platform geographic information system uses location-based technology services to geographically show where Warrants and Protection Orders are located when they have a geographic address. This system allows for identification of hot spots of activity and optimizes the serving of warrants by allowing a user to organize activity around a geographic location. During the setup of a warrant template, the administrator identifies which addresses should be geocoded and CloudGavel automatically converts those addresses for geographic presentation on the user's dashboard.

Mobile Application

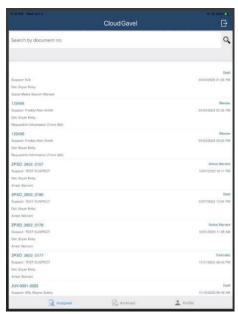
The CloudGavel Mobile application is available on iOS and Android. It allows users to search for warrants by present parameters, view warrant information / documents (as permitted), and update warrant statuses. The app also meets all LEADS and CJIS security requirements for mobile devices connecting to CJI data, including the use of Apple FaceID and Android Biometric Authentication for Two Factor Authentication.



Standard log in procedures with 2FA



Warrant Search Filters



Assigned Warrant Pick List



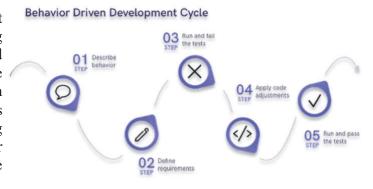
Warrant view (if desired) with status update ability

Description of Technical Architecture

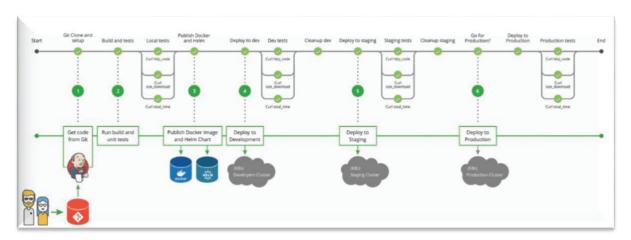
CloudGavel Application Platform

CloudGavel's API-driven decoupled layer application architecture is built on the Microsoft .net Core using a SQL server as the backend database. We currently host 250 agencies in the AWS Government cloud in a multi-tenant SAAS (Software as a Service) environment. One customer in Florida hosts the system on-premises. CloudGavel is a CJIS-compliant solution hosted in AWS GovCloud (US) using the latest Full Stack development technologies. Based on the requirement of the agency, we can support LA 's system as stand-alone database or part of multi-tenant architecture.

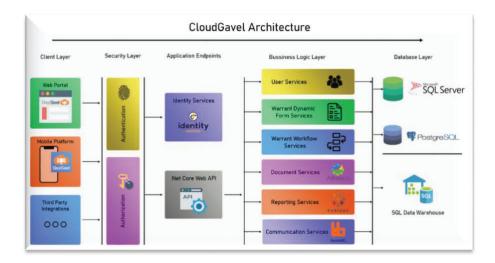
CloudGavel uses Agile project management methodologies running two weeks sprint for enhancements and continuous development of the platform. Our behavior-driven development (BDD) process encourages collaboration among developers, QA and non-technical or business participants in a software project.



At the conclusion of each requirements analysis and throughout, the Scrum master will aggregate all the requirements gathered and develop a backlog of work to be performed. We will develop this in collaboration with stakeholders to ensure that the correct priority is being given to each item. Following CloudGavel's priority scoring framework, priority will be determined by assigning a score to each the urgency of the item and the value of the item. CloudGavel, as an agile software delivery group, will deliver each item iteratively through the sprint life cycle. The following steps show end-to-end SDLC of CloudGavel Platform.



CloudGavel technology stack uses the latest best-in-breed development tools to provide a robust framework for application engines.



Client Layer - CloudGavel is a 100% web-based solution accessible using all modern web browsers. CloudGavel is also available as native IOS app downloadable from an app store. Platform is using Angular as client-side script with modern responsive theme. External products like CMS, jail management system exchange data and communicate with CloudGavel platform using authorized API end points. Development stack:

- Angular
- HTML 5
- IOS
- Material UI

Security Layer - The CloudGavel Platform is fully compliant with all aspects of the CJIS Security Policy that are applicable to the services we propose to provide the State. Deployed on Amazon Web Services (AWS), the CloudGavel Platform benefits from the industrial- strength AWS security infrastructure. CloudGavel platform uses Amazon Web Services (AWS) utilities and tools to encrypt their criminal justice data in AWS GovCloud (US) employing FIPS 140-2 validated encryption in-transit services and FIPS-197 compliant encryption for data at-rest. Please refer to application security document for detailed security layers architecture of CloudGavel Platform. Development stack:

- AWS WAF
- Identity Server
- Two-factor authentication
- OWASP top 10 vulnerability management & penetration testing

Application Endpoint – Application endpoints are the bridge establishing secure & authenticated connections between business logic and user layers. The user (resource owner) initiates an authentication request with the identity server. If the credentials are valid and everything checks

out the authorization server obtains end-user consent and grants the client application an access token. System generate signed JWT token once the user authentication is verified. The token contains user identity and authorization details of the user. Every communication endpoint requires a JWT token to be sent with HTTPS call.

Development stack

JWT authorization token

Business Logic Layer - The business logic layer is the core of CloudGavel Application platform. In the logic layer, classes decide what information they need to solve their assigned problems, request data from the data layer, manipulate that information as required, and return the ultimate results to the presentation layer for formatting. Platform has further divided the layer into following smaller group for easy of management and classification.

- User Services: Users role and permission management services
- Dynamic form services: Engine to create dynamic data capture forms based on JSON configuration.
- Workflow services: Engine to configure document approval workflow with multiple business rules and stages transition
- Document services: Document storage and retrieval
- Reporting services: Customizable reports and dashboards. Analytical visualization tools
- Communication services: Message queuing, email and SMS notification

Database Layer - CloudGavel platform uses RDS SQL Server with Multi-AZ configuration.

API Platform - Real Time Data Exchange using CloudGavel

CloudGavel's de-coupled application architecture offers a flexible data management and exchange solution using JSON-based Restful API framework.

For the Law enforcement domain that needs strong and seamless integration, pulling a constant stream of data from one or more sources is critical. CloudGavel set of APIs is designed to decrease development time, save storage space on endpoint devices, and overcome any differences in the standards or programming languages used to create the data that lives at either end of the bridge.

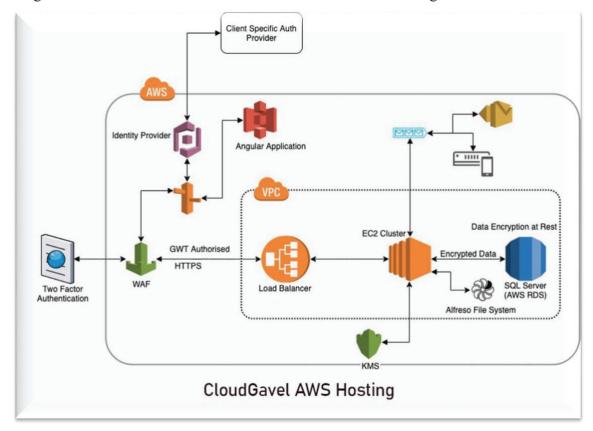
The CloudGavel data tier provides the logical storage location and processing for all database related information and file type media. CloudGavel utilizes a redundant, cloud-based relational database architecture to house client data in federated databases, ensuring maximum data integrity and performance when exchanging data with the business logic tier. File type media management is also controlled by the data tier and stores data on redundant, high availability cloud storage platform.

CloudGavel Platform makes several API endpoints available for County integration who wish to interact and integrate with the data within the platform.

CloudGavel Hosting & Network Diagram

CloudGavel Platform uses AWS to manage and secure their applications, data, and other CJIS resources in the AWS GovCloud (US). AWS GovCloud (US) Regions consist of US data centers hosting services authorized to FedRamp High, managed by US citizens, and offering the FIPS validated endpoints necessary to build CJIS-compliant solutions.

One critical control is the use of independently tested and validated encryption to protect sensitive information both in-transit and at-rest, regardless of physical location. Another critical control involves limiting access to individuals that hold or manage encryption keys, allowing CloudGavel to define and limit the universe of users with logical access to CJI.



AWS empowers CloudGavel Platform to encrypt their criminal justice data in AWS GovCloud (US) employing FIPS 140-2 validated encryption in-transit services and FIPS-197 compliant encryption for data at-rest.

Authentication

Support for 2-Factor Authentication

Support for Azure activity directory and OKTA authentication software

Application Security:

- Core components of the application architecture are secured within a private VPC
- All requests to the application are governed by WAF (Web Application Firewall)
- All the API requests are made over HTTPS

• All the keys are managed in Key Management System (KMS) with restricted access

Data Security

In compliance with CJIS standards, all critical data is encrypted in rest and in motion

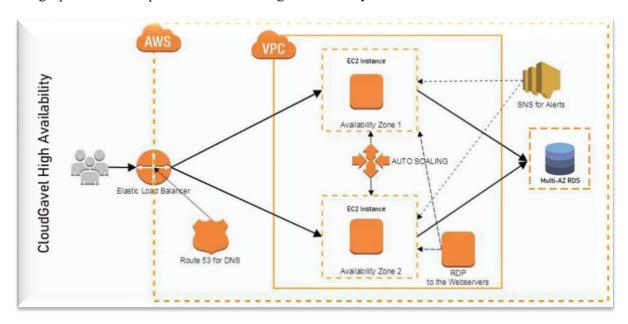
Scalability

Application is hosted on an EC2 cluster front ended by Application load balancer for seamless scalability

Monitoring & Alert

Set Up CloudWatch for application monitoring and Alerting

The graphic below depicts CloudGavel high availability structure

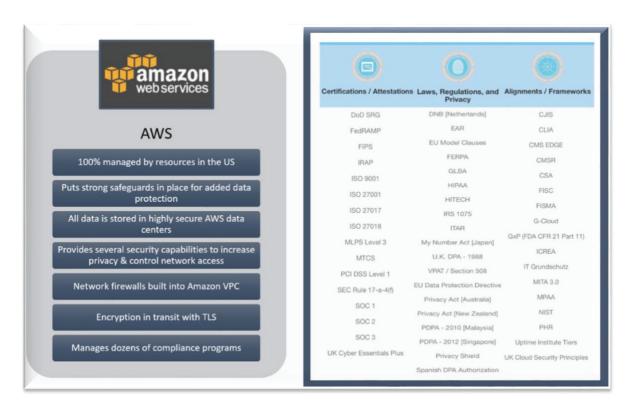


CloudGavel Application Security

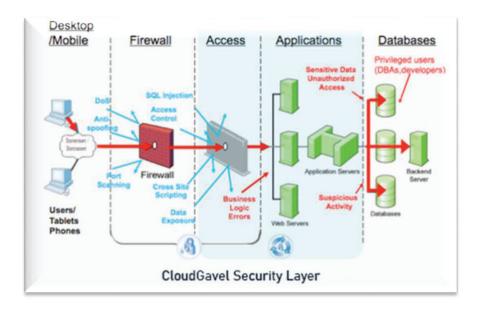
CloudGavel Platform is fully compliant with all aspects of the CJIS Security Policy that are applicable to the services we propose to provide the State.

Deployed on AWS the CloudGavel Platform benefits from the industrial- strength AWS security infrastructure. CloudGavel platform uses AWS utilities and tools to encrypt their criminal justice data in AWS GovCloud (US) employing FIPS 140-2 validated encryption in-transit services and FIPS-197 compliant encryption for data at-rest.

Platform addresses all stated DAS/ODPS security requirements including logging, data center security, encryption, antivirus, network security, access and identity management and data handling.



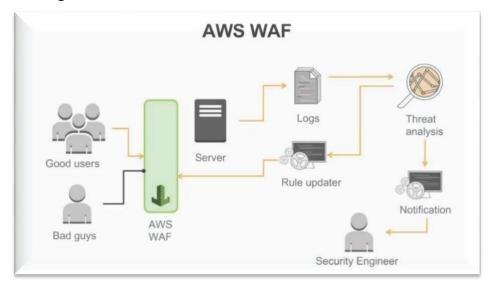
CloudGavel platform has implemented layered security structure for robust and configurable security needs as per modern cloud platform.



We also use AWS WAF for application-level firewall to detect common web exploits that may affect availability, compromise security, or consume excessive resources.

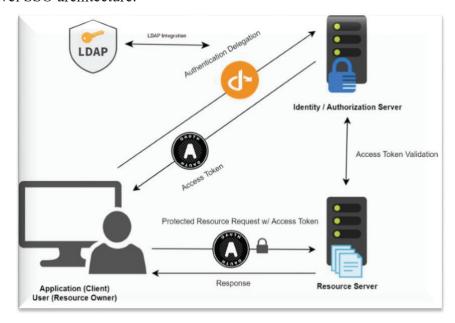
All data communication over the internet is secured via Transport Layer Security protocol (TLS) using HTTPS. Security certificate is created using 2048 bits key for the highest possible encryption.

CloudGavel Platform uses AWS WAF in conjunction with CloudWatch for application-level firewall. WAF monitors HTTP and HTTPS requests for Application Load balancer to secure and protect our traffic against DDoS or malicious attack.



CloudGavel Platform uses 2-factor authentications with an option for single sign on integration using Azure active directory or OKTA authentication software.

The following is a diagram showing the process flow for authentication and authorization for the CloudGavel SSO architecture:



The user (resource owner) initiates an authentication request with the identity server.

If the credentials are valid and everything checks out, the authorization server obtains end-user consent and grants the client application an access token.

The access token is attached to subsequent requests made to the protected resource server. The authorization server validates the access token; if successful the request for protected resources is granted, and a response sent back to the client application.

CloudGavel incorporates OWASP (Open Web Application Security Project) top 10 security prevention and detection steps in their SDLC. Third party tool Qualys is continuously used for penetration testing during development and in production.



CloudGavel Platform adheres to the following best practices for the database security: The database layer is configured to run in private VPC and only accessible by web server over secure TCP protocol.

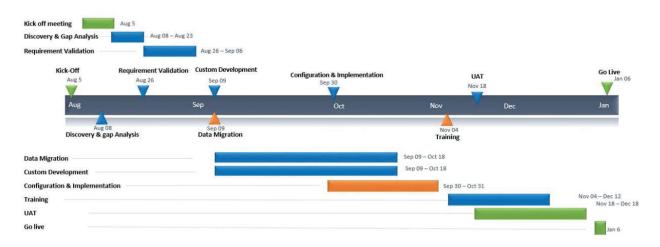
- We encrypt both live and backup database files
- We continually Audit and monitor database activity

CloudGavel follows CJIS policy listing our disaster recovery and backup plan.

Project Timeline Estimate

Steps	Start Date	End Date
Kick Off	08/05/2024	
Discovery & Gap Analysis	08/07/2024	08/23/2024
Requirement Validation	08/26/2024	09/06/2024
Data Migration	09/09/2024	10/18/2024
Custom Development	09/09/2024	10/18/2024
Configuration & Implementation	09/30/2024	10/31/2024
Training	11/04/2024	12/06/2024
UAT	11/18/2024	12/16/2024
Go Live	01/06/2025	

The DuPage County Sheriff's Office Warrant Management Software Implementation Plan August 5th 2024 – Jan 6th 2025



Product Support & Maintenance

CloudGavel will develop a training plan working in conjunction with the County and provide as part of the initial deliverable. The training methodology on this project will consist of the train-the-trainer concept. We will develop course material and conduct training for administrators and helpdesk at the state level. We will conduct training of the administrator and super users for agencies. Each of these trained trainers will be responsible for training users under their respective domains.

Training Plan

The Training Plan Methodology will address, at a minimum, the following topics: Training goals/standards and the specific plan for training technical personnel and end users.

Strategy for providing training early in the project to allow the training goals to be implemented throughout the project life cycle.

Tasks, deliverables and resources necessary to complete the training effort and identify tools and documentation necessary to support proposed effort.

The different types of training, the specific courses and course materials, the training approach for both technical personnel and end users, and how training effectiveness shall be measured and addressed.

A description of deliverables to support initial and ongoing training including user manuals, system manuals, on-line help, and training materials for technical/non-technical personnel.

Knowledge Transfer to enable State personnel to operate, maintain, configure and modify the new systems including operation of the testing tools, supporting infrastructure, and security.

Metrics for tracking progress in achieving training and knowledge transfer objectives.

Reporting progress of training and knowledge transfer activities.

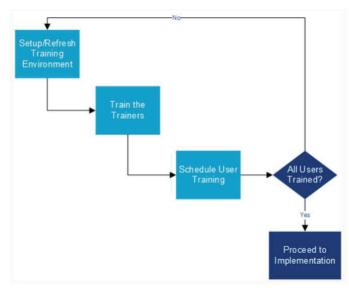
Strategy to minimize impact to business operations during transition to new system.

- Deliverables and Training Courses to be Addressed in Training Plan
- Knowledge Transfer for User Support
- System Administration and Configuration
- Server hosting, backup and DR plan
- In depth training for each module of the CloudGavel product

Training Environment

All training will occur on the latest build of the software in the Training cloud environment setup on AWS. The appropriate data will be staged to make the training meaningful. A separate database server will be set up for training purposes. Before each training session, the training database will be reloaded with the latest release from the data migration process, and the server will be loaded with the latest test version of the CloudGavel application.

Training will be a combination of webcast, in-person and online selfserve videos. For smaller groups and for judiciary training will be via a webcast. For train the trainer and key technical resources we will provide onsite training over a 4-hour period that covers 2 shifts of workers. We will have five sessions of train the trainer training which will be defined the training program submitted to the County during initial planning phase. We will work with County local IT and training resources responsible for setting up any local equipment for training. Team CloudGavel will not



provide training equipment other than a laptop and projector for the trainer. The graphic on the right depicts the methodology for training process flow

Develop and Provide Training Materials

CloudGavel will develop the training material required to train County staff, users, technical and operational teams. A plan for the various training material will be submitted to the County for review and approval. After the plan is approved, training material will be created and submitted to the County for final approval. Training materials will be available in online help, and in PDF format. We will provide all source files to the County in Microsoft Word format or other native file formats. This training material will cover the system's operation from a user standpoint and the configuration and maintenance components of the system for continued system administration. Team CloudGavel has developed a custom documentation program consisting of the following deliverables:

- Training Materials
- Plan for Development of Training Materials
- System Administration and Configuration
- User Training materials for Judges, Clerks, and Law Enforcement

Support

The proposed solution for DuPage County would include two tiers of support.

County Application Administrators and Local Agency Administrators would handle Tier One support. CloudGavel currently has several user types that would allow local HR or IT support personnel to handle these functions from the County or Local level without having access to any CJI. These functions would include, but are not limited to:

- User account creation
- User account deactivation
- User password reset (in addition to self-service password reset functions)
- FAQ on common workflow and process issues
- Updates for system configuration at the Application Administrator level

Tier One support should be available at a local telephone number, by email and by an integrated support portal inside the system. This contact information will be available inside the application on the primary login page and in a "support" link.

Tier Two support would be handled by the CloudGavel Support Specialist team. Members of this team would be readily available for contact during normal business hours and on an "on call" basis any time after normal business hours, weekends and holidays. Team members that are available "on call" are fully trained in the Warrant Service Module and will be able to assist with any questions at any time.

Tier Two support should be contacted by local support personnel if any issues need to escalate beyond Tier One support. Tier Two support can also be contacted directly by County or Local agencies if needed or if Tier One support is not available. Contact information for Tier Two support will be made readily available to Tier One support personnel as well as provided directly to the Application and Agency administrators.

CloudGavel also currently has a support portal managed in the Fresh Desk CSM application. This application runs outside of CloudGavel and is used to maintain a library of FAQs, contact information and training materials. This portal would be utilized as deemed appropriate by DuPage County for the Warrant Service Module. Fresh Desk also allows CloudGavel to manage support requests with a ticketing system and can be used in collaboration with DuPage County Sheriff support personnel.

PROPOSED STAFF

Business Relationship Management

The Business Relationship **Team comprises Casey Roussel as the CloudGavel Engagement Ianager.** Casey will be CloudGavel's senior leadership responsible for the overall success of the roject and execution of the contract. He will serve as the escalation point for the County's Project Team in anything related to the delivery team, contract, and client satisfaction.

Project Management

Bryan Kirby, Project Manager Bryan is the Project's Key Resource and serves as Project Manager to ensure the project is managed and executed through the initiate, plan, execute, monitor, and close phases. Bryan has worked on projects with multiple law enforcement agencies in the public safety and justice area for over 9 years.

Technical Team

The Technical Team is responsible for gathering interface requirements, developing interfaces to the ISD external systems, and performing additional product enhancements to meet the County's business requirements.

The Technical Team is led by **Sunil Shahi**, **Solution Architect**. Sunil will provide technical support to the project team, including network and server infrastructure. Sunil has over 10 years of experience as a product engineer and has played an integral role in 100+ CloudGavel implementations over the past few years.

Aayush Dahal, Interface Lead. Aayush will be responsible for the design of the CloudGavel solution through an understanding of the client's business needs and requirements. Aayush drives the company's product vision and roadmap to support the organization's business strategy. Aayush, has over 6 years of related work experience.

Robert Jones, Data Conversion Lead: Robert will perform all database administration and engineering tasks consistent with the requirements, designs, test cases, and project standards. Robert has over 10 years of experience as a Database (DB) Administrator and has performed numerous data conversions for projects similar in size and scope to the proposed project.

Suman Sahu, Business Analyst: Suman will provide analyst services to the team during the Requirements, Data Conversion, and Testing phases. Business Analyst. Suman has extensive knowledge of requirements elicitation, documentation, traceability, testing, and client training. His experience with System Functional Testing, User Acceptance Testing, and Regression Testing contributes to his ability to develop quality testable requirements and business rules. He has experience through the entire Software Development Lifecycle, which gives him the macro lens to identify areas for continuous improvement on projects. Suman has an Entry Certificate in Business Analysis (ECBA) from the International Institute of Business Analysis.

References

SIMILAR CONTRACTS/RFPS PERFORMED: List below contracts under which the Proposer has provided similar services during the past three (3) years from the release date of this RFP. At least three (3) references are required. It is the prospective proposer's responsibility to inform the reference contact person that we will be contacting them.

Proposer's technical and support capabilities will be verified through reference checking, which may include site visits and contact with other clients or vendors.

REFERENCE NAME #1: 6Th Judicial Circuit, Florida (Pinellas/Pasco County) ADDRESS:

400 South Fort Harrison Ave., Clearwater, Florida 33756

CONTACT PERSON:

Adam Ross

Executive Director - Florida State Attorney's Office

Sixth Judicial Circuit of Florida

PHONE NUMBER: 727-464-6228. EMAIL: adamross@flsa6.gov

DATE OF CONTRACT: January 1, 2022, through perpetual

DESCRIBE PROJECT/SERVICES

Our CloudGavel Solution is deployed throughout the entire 6th Judicial Circuit. This includes all Sheriff's Office, all municipal police departments, and all state agencies. Agencies use CloudGa generate, process, and track criminal warrants through the entire warrant life cycle.

REFERENCE NAME #2: Palm Beach County Sheriff's Department, Florida

ADDRESS:

3228 Gun Club Road, West Palm Beach, Florida 33406

CONTACT PERSON:

Trina Hayes

Division Manager – IT Program Management

Palm Beach County Sheriff's Office

PHONE NUMBER: 561-688-3511 EMAIL: HayesT@pbso.org

DATE OF CONTRACT: Sept. 2016 through perpetual

DESCRIBE PROJECT/SERVICES:

Our CloudGavel Solution is deployed throughout the entire County of Palm Beach Florida. This includes all Courts, the Sheriff's Office, all municipal police departments, and all state

agencies. Agencies use CloudGavel to generate, process, and track criminal warrants through the entire warrant life cycle.

REFERENCE NAME #3: Las Vegas Justice Court

ADDRESS: 200 Lewis Ave, Las Vegas, Nevada 89155

CONTACT PERSON:
Judge Cynthia Cruz
Chief Judge
Las Vegas Justice Court

PHONE NUMBER: 702-671-3381 EMAIL: Cynthia.Cruz@clarkcountynv.gov

DATE OF CONTRACT: November 2021 through perpetual

DESCRIBE PROJECT/SERVICES:

Our CloudGavel Solution is deployed throughout the entire State of Nevada. This includes all Courts, Law Enforcement Agencies, and the Nevada Highway Patrol. Agencies use CloudGavel to generate, process, and track DUI warrants through the entire warrant life cycle.

SECTION 9 - PROPOSAL FORM

(PLEASE TYPE OR PRINT THE FOLLOWING INFORMATION)

Full Name of Offeror	CloudGavel LLC					
Main Business Address	4305 Bluebonnet Blvd.					
City, State, Zip Code	Baton Rouge, LA 70809					
Telephone Number	866-297-5155					
Fax Number						
Proposal Contact Person	Casey Roussel - President/CCO					
Email Address	casey.roussel@fusionstak.com					
keessa saaraa saara						
The undersigned certifies that	he is:					
the Owner/Sole Proprietor	a Member of the Partnership	X	an Officer of the Corporation		a Member of the Joint Venture	
herein after called the	e Offeror and that the members of	of the Pa	rtnership or Officers of	f the Corp	oration are as follows:	
Pratyush Kumar Casey Roussel						
(CEO)			(President / CCO)			
Devika Sing	h					
(Secretary / Treas	surer)					
herein; that this Proposal is m the proposed forms of agreem in the office of the Procurement other documents referred to	ares that the only person or part hade without collusion with any of ent and the contract specification in Manager, DuPage Center, 42 or mentioned in the contract and issue	other pe ns for th 1 North docume	erson, firm or corporati ne above designated p County Farm Road, V ents, specifications an	ion; that urchase, Wheaton,	he has fully examined all of which are on file Illinois 60187, and all	
apparatus and other means of equipment specified or referre Further, the undersigned certified the Offeror and in accordance	poses and agrees, if this Proposition for construction, including transpers of to in the contract documents in fies and warrants that he is duly with the Partnership Agreement is binding upon the Offeror are	ortation n the ma authori nt or by-	services necessary to anner and time therein ized to execute this collaws of the Corporation	o furnish prescrib ertification	all the materials and ed. n/affidavit on behalf of	
Further, the undersigned certificither 720 Illinois Compiled St of 820 ILCS 130/1 et seq., the	fies that the Offeror is not barre atutes 5/33 E-3 or 5/33E-4, pro Illinois Prevailing Wage Act.	d from p posal rig	proposing on this contr gging or proposal-rotat	ract as a ting or as	result of a violation of a result of a violation	
	he has examined and carefully il, and that the statements conta				ked the same in detail	
were properly adopted by the	ned further certifies that the reci Board of Directors of the Corpor led, nor modified and that the sa	ration at	a meeting of said Boa	ard of Dir	ectors duly called and	

to provide a copy of the corporate resolution granting the individual executing the contract documents authority to do so.)

Further, the offeror certifies that he has provided services comparable to the items specified in this contract to the parties listed in the reference section below and authorizes the County to verify references of business and credit at its option.

Finally, the offeror, if awarded the contract, agrees to do all other things required by the contract documents, and that he will take in full payment therefore the sums set forth in the cost schedule.

PROPOSAL AWARD CRITERIA

This proposal will be awarded to the most responsive, responsible vendor meeting specifications based upon the highest score compiled during evaluation of the proposals outlined in the selection process.

The Contractor agrees to provide the service described above and in the contract specifications under the conditions outlined in attached documents for the amount stated.

X (Signature and Title) CORPORATE SEAL (If available)

PROPOSAL MUST BE SIGNED FOR CONSIDERATION

