

2014

Invert911



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Police Modules

Incident

Search Screen

Invert911 - RMS and CAD

New Edit Print Route Search

Incident Number	Supplement Number	Status	Date	Summary	ORI	Agency
20130518104	1					WCPD
20130518105	1					WCPD
20130603101	1	Use This One				WCPD
20121208101	1					WCPD
20130527106	1					WCPD
20130518102	1					WCPD
20130524101	1					WCPD

Search

From Date To Date Officer ID

Incident Number Agency

Supp Number Status

Search Clear

User: admin Night Mode

Field Report

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Invert911 - RMS and CAD

Incident | Person | Vehicle | Property | Modus Operandi | Arrest | Offense | Linkage | Narrative

General

Narrative Account Desc Factor Code Victim Status Exceptional Clearance Weather End Date Reporting Officer Agency Notification Indicator Incident Report Date Witness

test12

Involved Property Supplement Number Begin Date Service Call StatusText Other Involved Person Subject End Time Begin Time Incident Number Exceptional Clearance Date

1 20130603101

Incident Lighting Code Summary Evidence Held Indicator Dissemination Level Activity Category Evidence Incident Offense ORI Status Date

Location

State Mile Marker Location MVI Longitude City Apartment Country Postdirection Street Name Predirection Location Remarks Street Number Full Street Address Highway

Street Type Location Type Zip Code Extension Zip Code Lot Number Latitude Beat

CAD Information | Supplements | Solvability Factors | Attachment | Links

CAD Service Call

Activity Category Dispatcher Dispatch Location Dispatch Location Owner Name Email Address Operator Priority Code Service Call Date Service Caller

Service Call ORI Service Call Other Contact Address Service Call Time Source Code Source Text Telephone Number

Search Edit Law Incident

User: admin Night Mode

Person

Invert911 - RMS and CAD

Incident | Person | Vehicle | Property | Modus Operandi | Arrest | Offense | Linkage | Narrative

Add Remove Copy Paste

Sequence Number Last First Middle Birth Date Sex Race

1 Smith Bob

3 Brown

2 Green Dan

Citations | Arrest | Work | Missing Person | DUI | Medical

Details | Location | AKA | Photo | SMT | Contacts | School

Detail

ResidentStatusCode State ID Issuing Authority Person Criminal Involvement Code Citizenship RegisteredOffenderIndicator PersonPotentialMatchID Passport Issuing Country Code

111w

Maximum Age Hair Color RegisteredOffenderNumber Build Hair Style MinimumAge PhysicalFeatureImage Hair Length Eye Color Person Handedness Alien Number

MaximumWeight Prefix Speech Occupation PIDTypeCode Weight Facial Hair PIDExpirationDate PersonPhysicalFeatureCode Full Name SexCode PersonMNI Middle Name

DriverLicenseIssuing Authority Eye Wear PersonIdentificationNumberPID PhysicalFeatureDescription PersonHeight DNA Collection Indicator MinimumHeight

Caution Information Code RegisteredOffenderIssuingAuthorityText SSN Minimum Weight Passport Expiration Date RaceCode Height Unit SequenceNumber Dental Characteristic

PersonMaritalStatus DriverLicense Expiration Date PassportID Birth Date FBI Number Maximum Height Driver License Number RegisteredOffenderIssuingAuthorityCode

PIDEffectiveDate Age Hair Description Suffix WeightUnitCode LastName PersonNameTypeCode USMarshalServiceFugitiveID Age Unit Ethnicity PID Issuing Authority StateID

Search Edit Law Incident

User: admin Night Mode

Vehicle

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Invert911 - RMS and CAD

Incident | Person | **Vehicle** | Property | Modus Operandi | Arrest | Offense | Linkage | Narrative

Incident

Save | Print | Prev | Next | Delete | Cancel | Close

General | Recovery | Towed

Make	Model	Year	Style Code	Color	License Number	Vehicle Description
0			Car			
22	2013	222		brown		Work

Boat Part Category | License Jurisdiction | Home Airport Name | Boat Home Port | License Type | Serial Number | Boat Engine Power Displacement Measure | License Year | Boat Type | Make

Vehicle Description | Coast Guard Document Number | Color | Wing Color | Engine Quantity | Tail Number | Vehicle MVI | VIN | Model Year | Overall Length Measure | Boat Outer Hull Material

Work | 2344-5321-2345 | brown | White | | | 0 | | 2013 | | |

Boat Hull Shape | Fuselage Color | Home Airport ID | License Number | Boat Propulsion | Overall Length | Model | Boat Engine Power Displacement | BoatName | Style Code

| | | | | | 22 | | | 222

Search | Edit Law Incident

User: admin | Night Mode

Property

Invert911 - RMS and CAD

Incident | Person | Vehicle | **Property** | Modus Operandi | Arrest | Offense | Linkage | Narrative

Incident

Save | Print | Prev | Next | Delete | Cancel | Close

Type | Value | Description

Details | Notes | Attachments

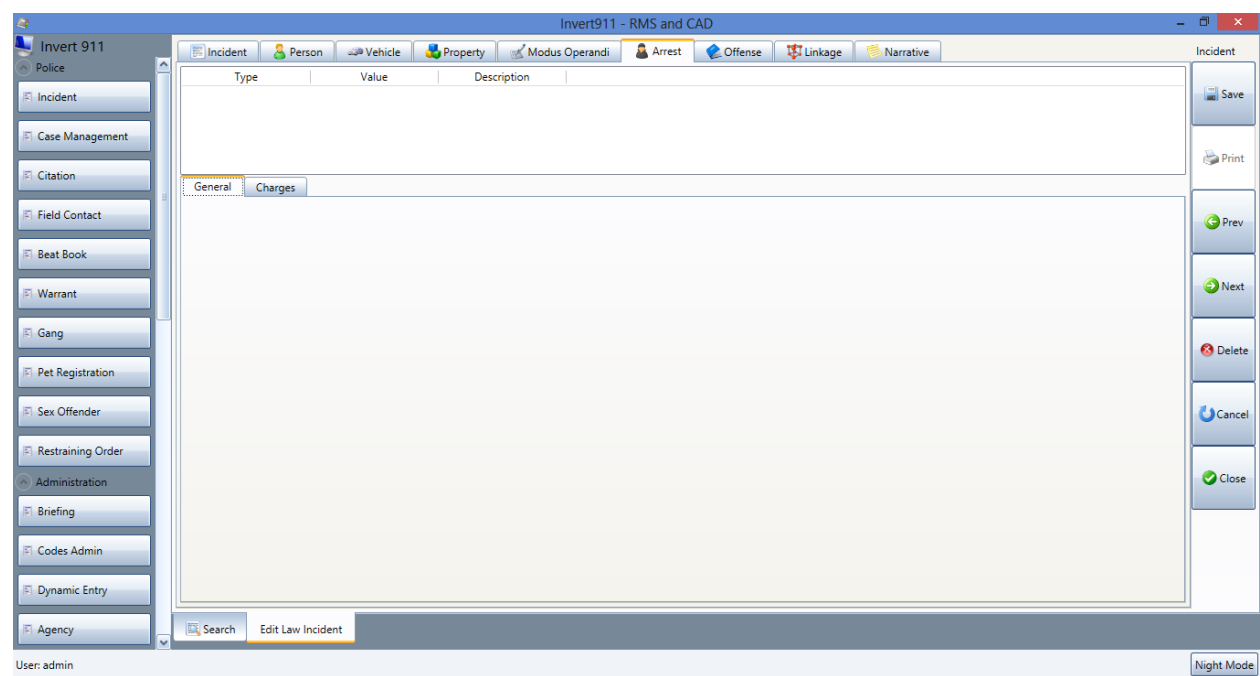
Search | Edit Law Incident

User: admin | Night Mode

Traffic Collision

Arrest

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DUI

Case Management

Field Contact

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The screenshot shows the 'Invert911 - RMS and CAD' application window. The left sidebar contains a 'Police' menu with options: Incident, Case Management, Citation, Field Contact, Beat Book, Warrant, Gang, Pet Registration, Sex Offender, Restraining Order, and an 'Administration' section with Briefing, Codes Admin, Dynamic Entry, and Agency. The main area has tabs for 'Main' and 'New'. The 'New' tab is active, showing sub-tabs for 'Person', 'Vehicle', 'Notes', 'Narrative', and 'Print'. The 'Person' sub-tab is selected, displaying a form with fields for 'Name', 'Appearance', and 'Address'. On the right, there are buttons for 'Field Int.', 'Save', 'Print', 'Copy', 'Next', and 'Cancel'. The status bar at the bottom indicates 'User: admin' and a 'Night Mode' toggle.

Citation

This screenshot shows the 'Invert911 - RMS and CAD' application window with the 'Citation' menu item selected in the left sidebar. The main area displays the 'New Citation' form, with sub-tabs for 'Citation' and 'Print'. The 'Citation' sub-tab is active, showing a form with fields for 'General', 'Name', and 'Address'. The right sidebar contains buttons for 'CITATION', 'Save', 'Print', 'Copy', 'Next', and 'Cancel'. The status bar at the bottom shows 'User: admin' and a 'Night Mode' toggle.

Pawn Tickets

Impound

Gang

False Alarm

Warrant

UCR

NIBRS

Sex Offender

Restraining Order

Pet Registration

Photo Line Up

Property

Crime Watch

Beat Book

Bicycle Registration

Concealed Weapons

CAD Modules

Message Switch

Dispatch Window

BOLO

CallSheet

Alarm Permits

AVL

Jail Modules

Booking

Meals

Housing Assignment

Arrest

Release

Mobile / MDT Modules

Mobile Terminal

Invert911 - RMS and CAD

FileEditHelp

IncidentCitationField ContactDispatchMessagesVideoEvent EntryAVLClipboardKeyboard

IncidentPersonVehiclePropertyModus OperandiArrestOffenseLinkageNarrative

General

Narrative Account DescFactor CodeVictimStatusExceptional ClearanceWeatherEnd DateReporting OfficerAgency Notification IndicatorIncident Report DateWitnessInvolved Property

test12

Use This One

Supplement NumberBegin DateService CallStatusTextOther Involved PersonSubjectEnd TimeBegin TimeIncident NumberExceptional Clearance DateIncident Lighting CodeSummary

1

20130603101

Evidence Held IndicatorDissemination LevelActivity CategoryEvidenceIncident OffenseORIStatus Date

Location

StateMile MarkerLocation MVILongitudeCityApartmentCountryPostdirectionStreet NamePredirectionLocation RemarksStreet NumberFull Street AddressHighwayStreet TypeLocation Type

Zip Code ExtensionZip CodeLot NumberLatitudeBeat

CAD InformationSupplementsSolvability FactorsAttachmentLinks

CAD Service Call

Activity CategoryDispatcherDispatch LocationDispatch Location Owner NameEmail AddressOperatorPriority CodeService Call DateService CallerService Call ORI

SearchEdit Law Incident

User: adminNight Mode

Video

Messages

Dispatch

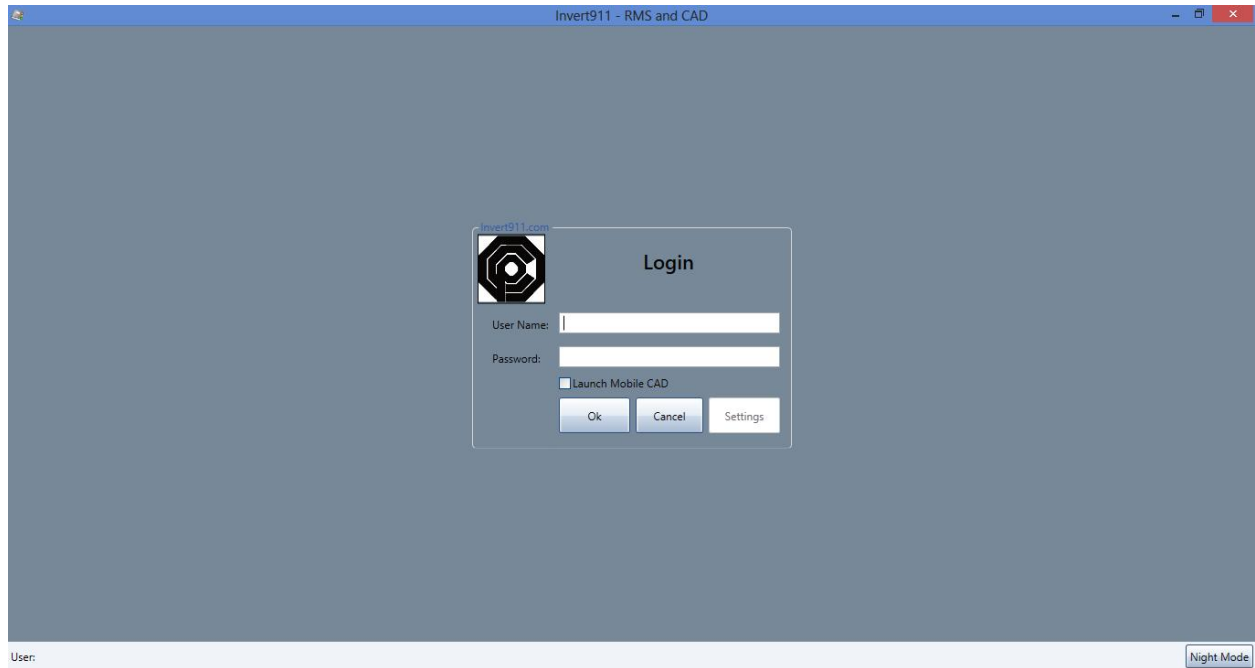
Event Entry

Applicant System

Page 13

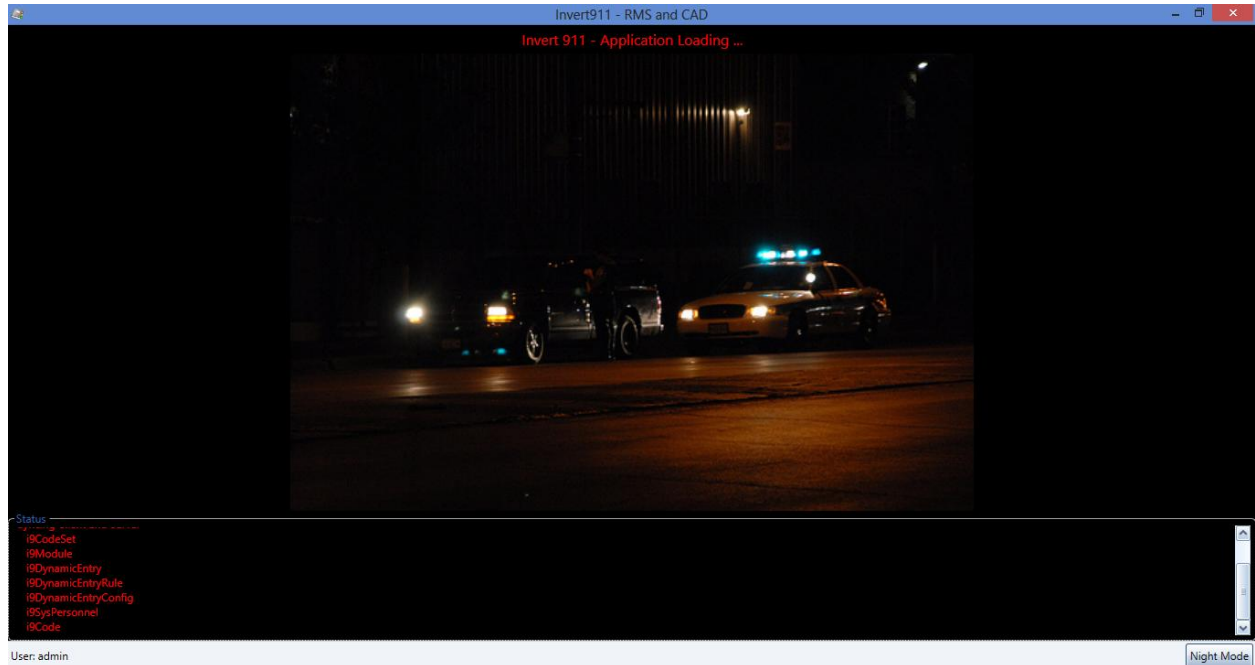
Administration Modules

Login Screen

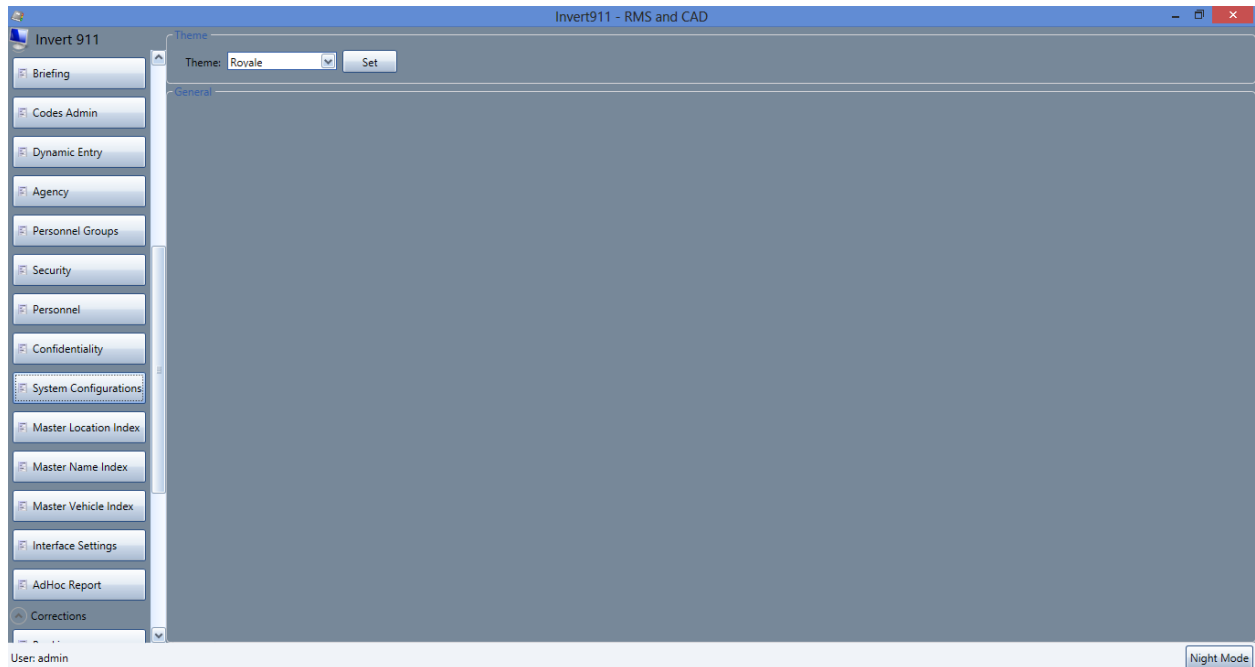


Splash / Client Sync Screen

Invert911



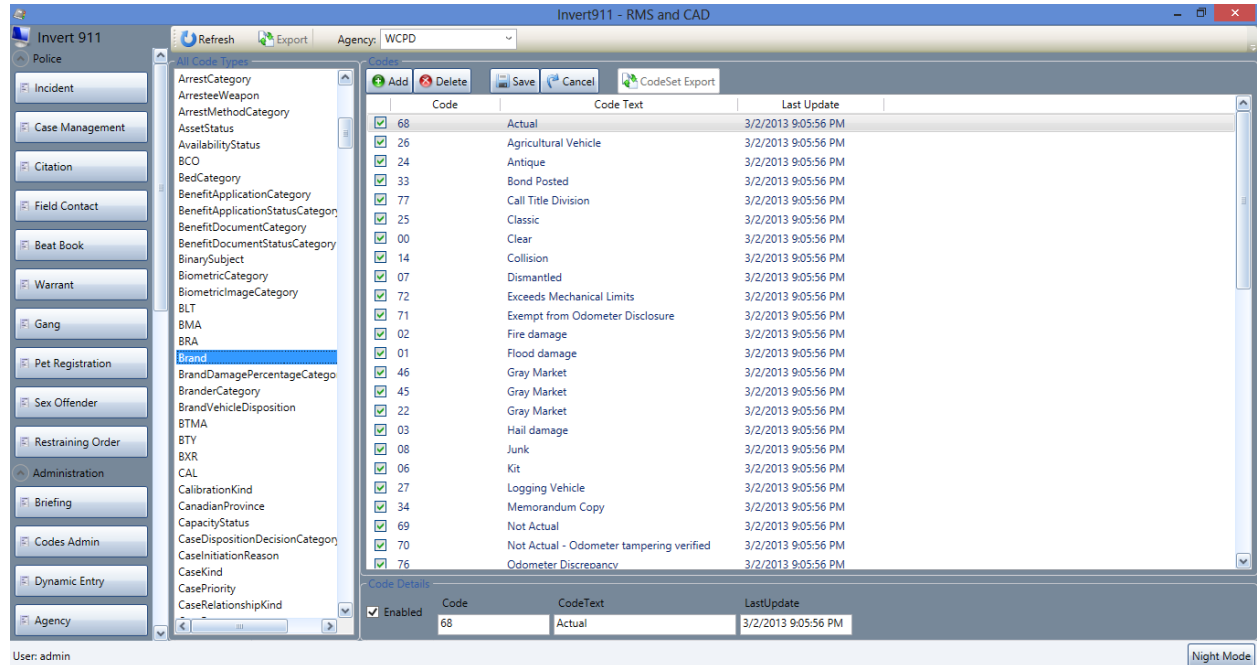
System Configuration



Briefing

Codes Admin

Invert911



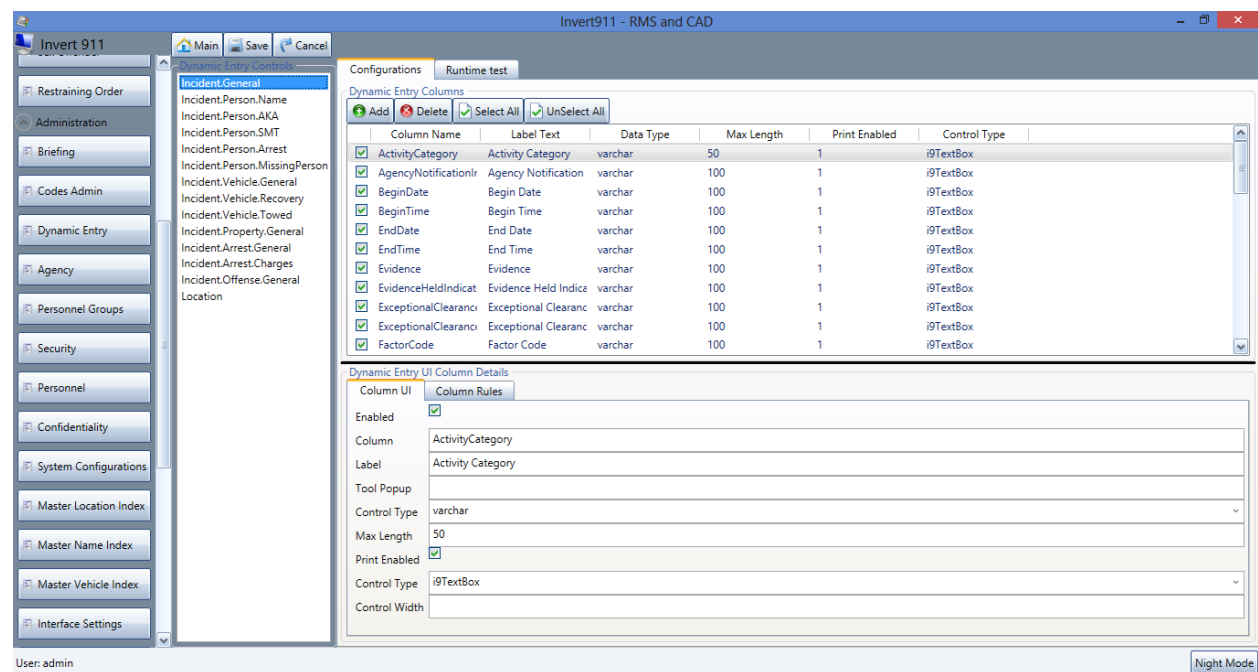
Confidentiality

Data Sharing

Department Equipment

Dynamic Entry

The ability to add new data fields or add rule to data fields in all modules without requiring developers to do so. The System Admin for the software can do it through the Dynamic Entry Admin module.



Fleet Management

Interface Settings

Master Location Index - MLI

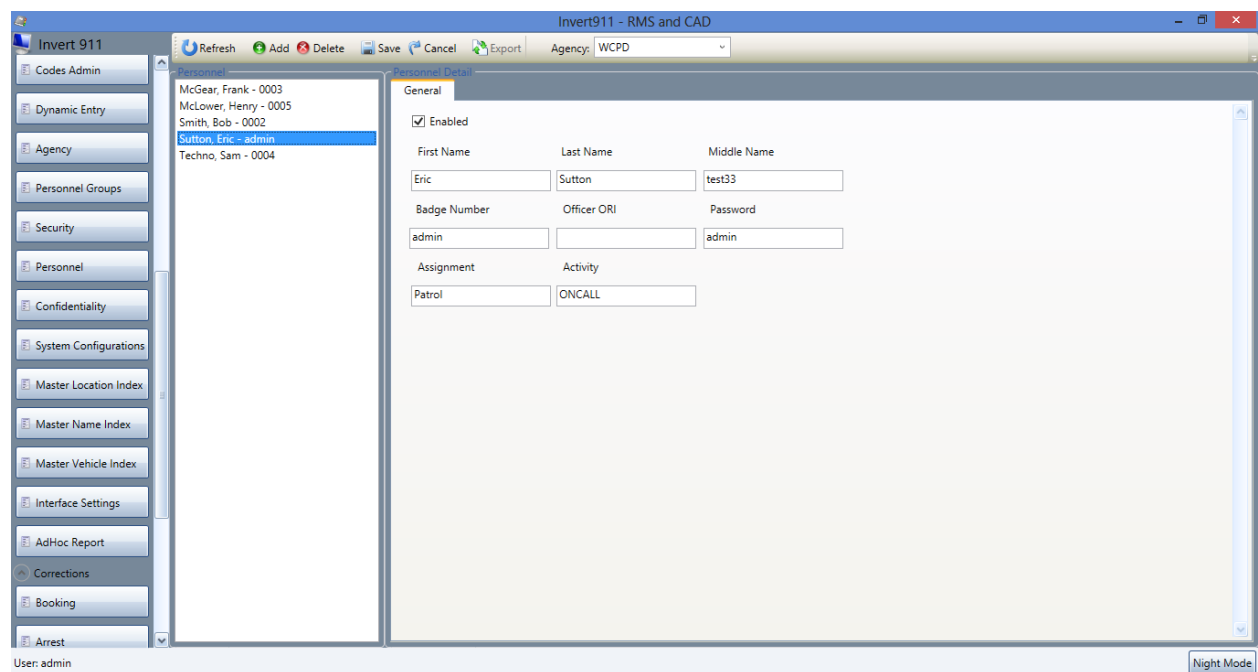
Master Name Index - MNI

Master Vehicle Index - MVI

Master Property Index - MPI

Personnel

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Schedule

Security

Supply Control Inventory

Wrecker Rotation

Contact Rolodex Managed By Groups

Training System

Crime Watch

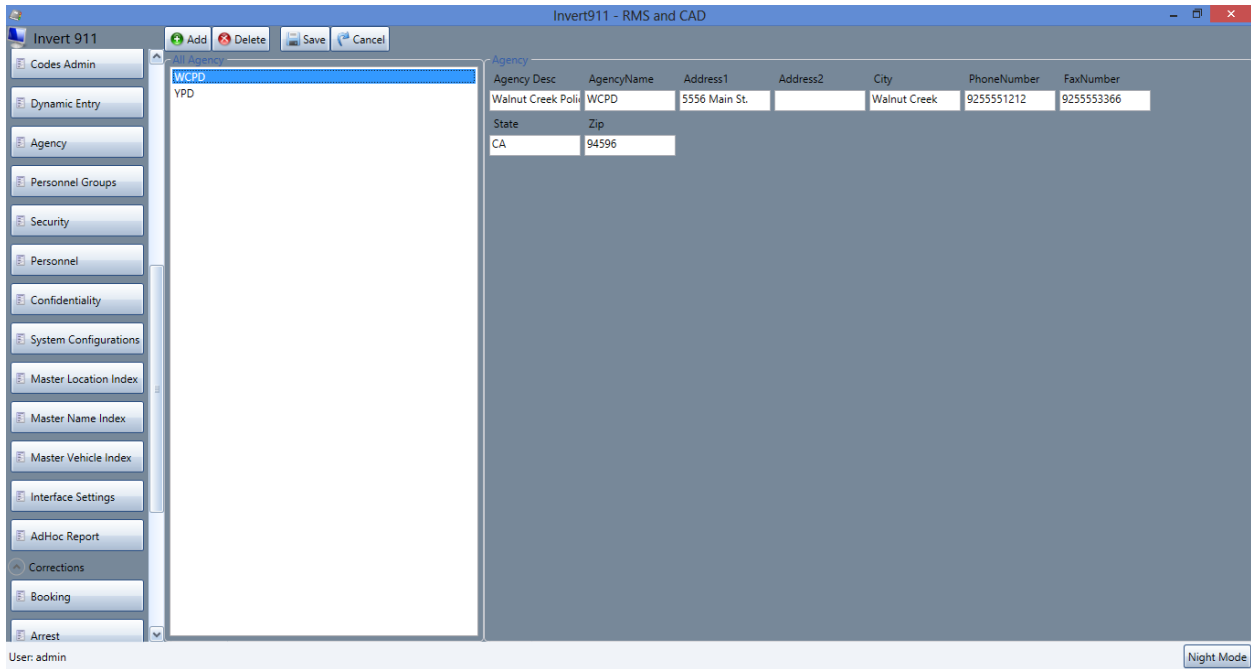
Service Requests

Special Intelligence

liquor License

Firearm License

Agency Admin



Common Features

Offline Mode

Write Reports without connection to the backend applications

Night Mode

All screens support night mode for working in your police car at night

Invert911

On Screen Keyboard for touch screen computers

User define validation rules for all modules

Printed Reports

I am using SQL Server client side reports (rdlc files) for all my application reports. It is a lot easier to deploy and develop than Microsoft SSRS reports. The client / agency can use whatever reporting tool they want for internal use.

Back in the day I used a lot of Crystal Reports for my reporting needs. If a agency needs specific crystal report embedded in to the app then I can.

Ad supported development

I wonder if the public safety community would support ad supported software application. These ads would be in non essential places. Maybe it's own module. Nothing in CAD or citation module. Maybe in the system admin modules.

NIEM Support

Currently the public safety industry relies on the NIEM data model or a 3rd party vendor to share data. The only bad thing about that NIEM data model is all the IEPD each agency create and the complexities of the model. Sometimes in the NIEM model you will have to go 4 levels of xml elements to get a simple personnel ID. If the industry relies on a standard database schema the whole industry can share more custom reports and add on application modules. If an agency wants to add to the Invert911 standarize database they can. All custom columns in the database tables start with "xx". For example if you want to add a forfeiture column in the main Incident table you can add xx forfeiture column. You can add this column through the Dynamic Data Entry admin tool. You can also tell the application to show this column in the UI and add rules to the column also. For example ... if you want the values to be a boolean values or a value that is not blank.

Application Design

Database support

Invert911 application will support SQL server and SQL server express. I am choosing not to support other databases like oracle and MySQL because I would like police agencies to share SQL reports, export / import code and database views with each other. If the databases are different then it just cause a lot more work for everyone.

Demo Vs Production application

I found a way to have the demo and main production product work together. For the production version of the app, it will be broken up in to 3 pieces (client, server and database). With the demo all this needs to be put in to one app easily deployable to a machine. I don't want to have different versions of the app so I worked really hard to make this happen. I will be publishing the demo shortly. I might put it on

3rd party software libraries

I am not using any 3rd party software libraries to reduce the dependencies of the code.