

Surfing the Cells with Mobile App

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About CNT Infotech

“We at CNT Infotech believe that the cornerstone of any long-term relationship should begin with one focal point – our client’s satisfaction”.

- ◆ Privately owned IT Consulting Company organized in 2000.
- ◆ Serving Private Organizations and Government Sector in the US and Puerto Rico.
- ◆ Staff with more than 25 years of experience in:
 - Government Sector
 - Healthcare Facilities
 - Large-Scale Systems Implementations



MOBILE CELL SEARCH APP

DDOC Problem Statement

- DDOC was conducting 1000s of cell search each month and the results of the search were documented in paper form handwritten. This resulted in
 - ✗ Manual tracking of cell searches
 - ✗ Manual reporting from paper form stacks
 - ✗ Zero business intelligence on key questions / indicators
 - ✗ Manual Compliance tracking
 - ✗ Manual storage of evidences collected.



MOBILE CELL SEARCH APP

What was status before implementation?

- DDOC was documenting the Cell Search reports in a paper form.
- Minimal reporting /tracking by going through the paper stack.
- Interface with OMS Disciplinary module was manual.

May 28, 2020

Daily Cell/Dormitory Shakedown

Rule: Minimum of (3) cells per shift, or (3) bed areas in a dormitory, including personal boxes will be searched. Whichever wing or dormitory is searched, the trash cans, bathroom and shower boxes in that area will be checked. One of these forms from each Unit will be turned in Daily to the Shift Commander. If contraband is found, forms #388 and #404 will be submitted with this form.

PT WJ#4

INMATE NAME/NAMES	BUILDING OR DORM: CELL NUMBER	OFFICERS CONDUCTING SHAKEDOWN	WING OR CELL: TYPE OF CONTRABAND	FORM #388 COMPLETED BY	FORM #404 COMPLETED BY
AT #104	445	Kraft	Vents clogged	n/a	n/a
AT #104	444	Kraft	Trash		
AT #104	443	Kraft	extra toothbrush		
AT #104					
AT #104					
AT #104					
AT #104					



MOBILE CELL SEARCH APP

DDOC Approach to implementation

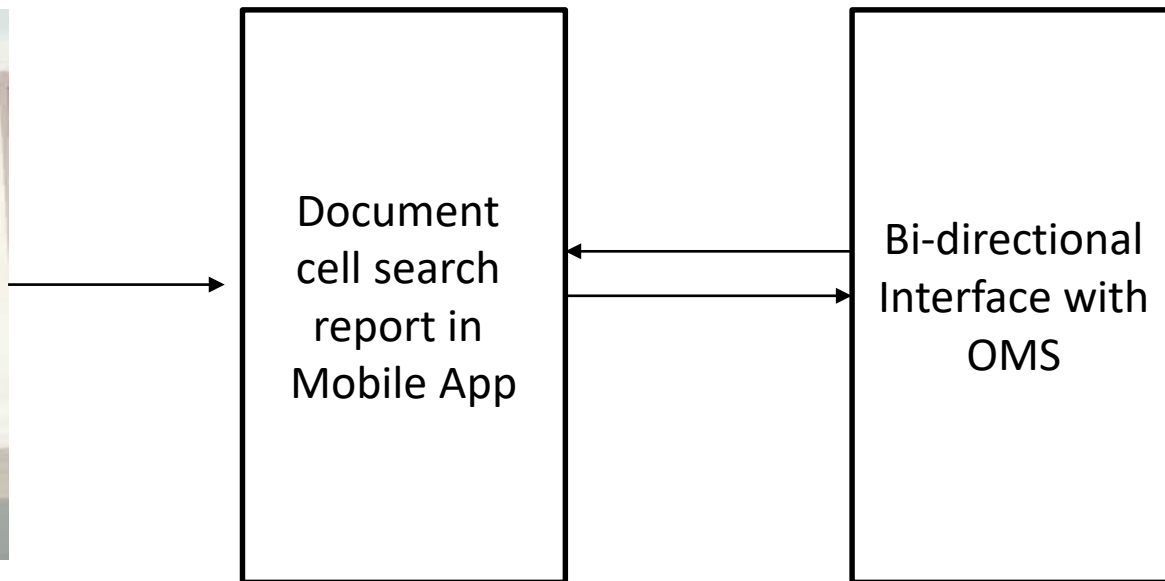
- DDOC identified the need to implement an automated system to track cell search reports and do away with paper forms.
 - DDOC reached out other States with similar prison and jail settings to see what other States are doing.
 - DDOC received information from Washington State Prison facility on an application that was developed and implemented to track cell search reports.
 - DDOC developed high level requirements based their needs and information collected from States.
 - DDOC awarded a contract to implement a Mobile App to document and track cell search reports



MOBILE CELL SEARCH APP

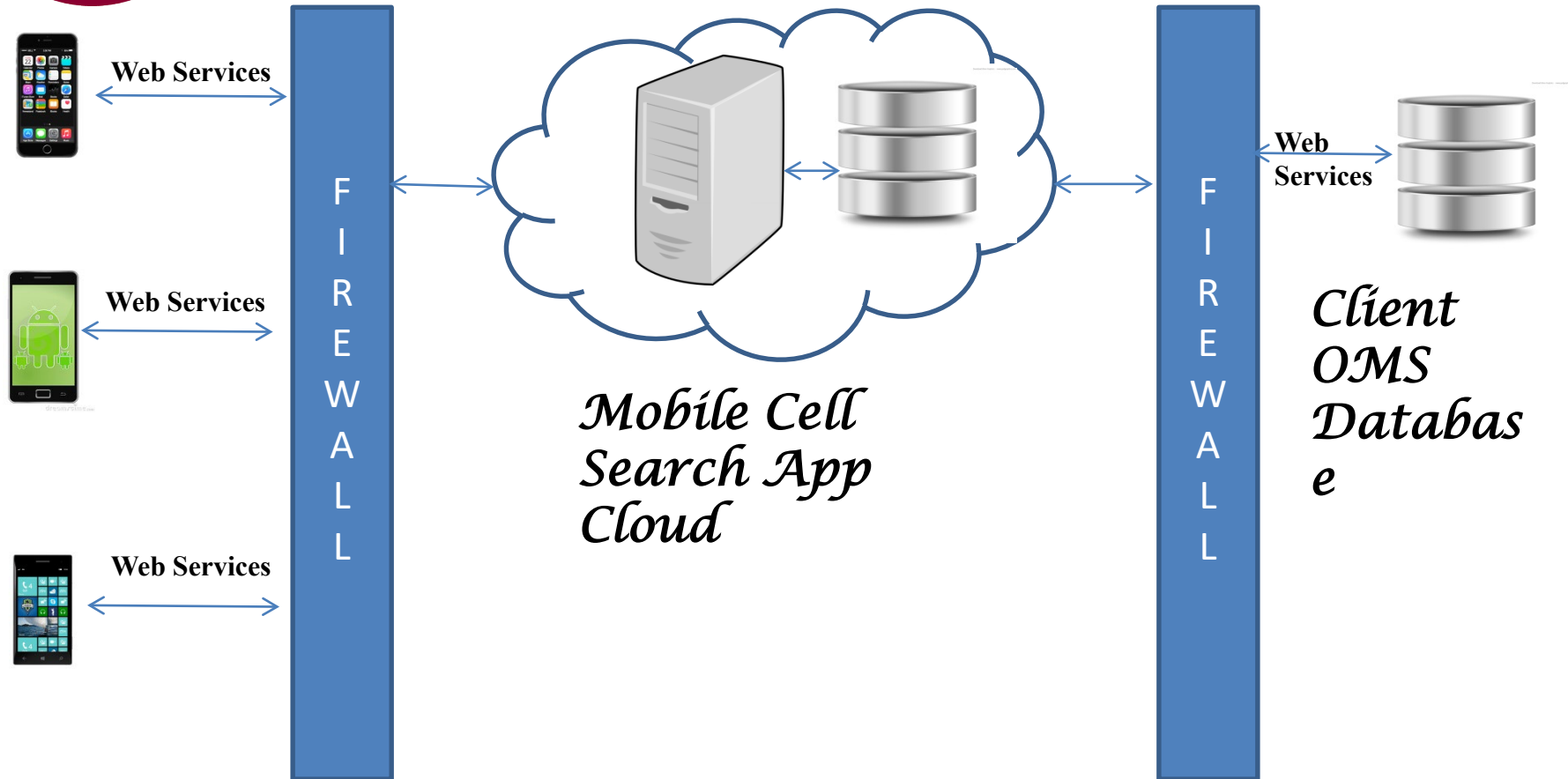
What does it do? - Definition

- The Mobile Cell Search App allows the officers at a Prison / Jail settings to document a report on the housing or a non-housing Cell Search at the search site.
- Seamless interface with the Offender Management System to link to Disciplinary report.





MOBILE CELL SEARCH APP Architecture





MOBILE CELL SEARCH APP

Technical Features

- Developed using industry standard tools.
- Supports all industry standard databases including Oracle, SQL Server, MySQL....
- Compliant with IOS, Android and Windows Mobile OS.
- Standalone App with indigenous schema and support files.
- Uses industry standard Web Services to communicate with other Criminal Justice Information Systems.
- Bi-directional Web Services to exchange data with other Criminal Justice Information Systems.



MOBILE CELL SEARCH APP

Technical Features (Continued)

- Supports Multimedia (Video, Audio, Image) data.
- Includes role based access to users.
- Can be implemented as Hosted Solution or Onsite Implementation.
- Includes separate portal for Administrator to manage users, roles, access and other rules specific to the site.
- Many components are table drive hence easily customizable.



MOBILE CELL SEARCH APP

High Level Functionality

- Allows Officers to document Cell Search report online.
- Allows Officers to select a housing unit within a building to conduct a cell search.
- Allows Officers to select a non-housing units within a building for unit search.
- Allows Officers to generate a random housing unit cell using a random search algorithm to conduct a cell search.
- Allows Officers to look up housing units for a building and select a Cell from the list to conduct a cell search.
- Allows Officers to view the occupants of the cell selected for cell search.



MOBILE CELL SEARCH APP

High Level Functionality

- Allows Officers to view information on the offenders including any security alerts, incidents and case notes.
- Allows officers document a detailed cell search report including the contrabands seized whether dangerous or non-dangerous, evidences collected and images collected from the cell.
- Allows officers to view all reports written by them and to continue on any pending reports.
- Bi-directional interface with OMS.
- Reports and queries that supports compliance requirements.



MOBILE CELL SEARCH APP

Current Statistics

- 17000+ cell search reports documented through the Cell Search App.
- 12000+ offenders searched and documented through the Cell Search App.
- 200+ users using the Cell Search App.



MOBILE CELL SEARCH APP

Benefits

- Ability to view number of reports documented by facility, housing unit, non housing unit, offender and other criteria.
- Ability to query if an area was searched and how many times in a selected period.
- Ability to query if an offender was searched and how many times in a selected period.
- Ability to view more vulnerable area prone to serious contrabands.
- Ability to view % of dangerous and non-dangerous contrabands found
- Ability to view % of Drugs, Weapons and other Contrabands seized.



MOBILE CELL SEARCH APP

Benefits

- Ability to capture images, videos as evidences during the cell search.
- Ability to link with the DDOC OMS seamlessly to download the cell search report into an incident /disciplinary report.
- Ability to receive real time security alerts on offenders who are occupants of the cells that are selected for search.
- Dashboard to view key compliance indicators for leadership team.



MOBILE CELL SEARCH APP

DDOC Problem Statement Review Post Implementation

- Automated ~~Manual~~ tracking of cell searches
- Online ~~Manual~~ reporting from database reports and queries ~~paper form-stacks~~
- Dashboard ~~Zero~~ with business intelligence on key questions / indicators
- Automated ~~Manual~~ Compliance tracking
- Digital ~~Manual~~ storage of evidences collected.



Questions

- Thank You !!