Supporting the Joint Medical Workstation Project

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Akamai Summer Internship
• IM/IT services and solutions provider
Health Care Systems

Joint Medical Workstation
Joint Medical Workstation (JMEWS)
JMEWS Capabilities

- Disease Tracking
- Status of Facilities
- Current Supplies
- Reports (Text and Visual)
Current Subjective Status Information
This page displays the current subjective status of units, as reported by those units in their most recent Annex 9 report.

41 of 52 joined units (66.13%) have filed MedSitRep in the last 4 day period.

<table>
<thead>
<tr>
<th>Category</th>
<th>Green</th>
<th>Yellow</th>
<th>Red</th>
</tr>
</thead>
<tbody>
<tr>
<td>Status Now</td>
<td>40 / 98%</td>
<td>1 / 2%</td>
<td>0 / 0%</td>
</tr>
<tr>
<td>Critical Supplies</td>
<td>41 / 100%</td>
<td>0 / 0%</td>
<td>0 / 0%</td>
</tr>
<tr>
<td>Predicted Status in 72 Hours</td>
<td>40 / 98%</td>
<td>1 / 2%</td>
<td>0 / 0%</td>
</tr>
<tr>
<td>Critical Equipment</td>
<td>40 / 98%</td>
<td>0 / 0%</td>
<td>0 / 0%</td>
</tr>
</tbody>
</table>

Export options: Excel | XML | CSV

Key to this Chart
- G - No problems reported
- Y - Minor problems reported
- R - Major problems reported
- 2 - No data within 4 days

This report contains information for the following units: Fleet Surgical Team Nine, 1st Med Bn, 1st FSB, 47th Combat Support Hospital (CSH), 76th Medical Squadron, 26th CS Bn, CO MED (FWD), 0256 MD TM PWD SURG, 0296 CS BN MEDICAL COL, USS Tarawa (LHA 1), Fleet Hospital Unit 3, USS Rushmore (LSD 47), 47th CS BN Med Co, 0250 MD TM PWD SURG, 61st Med BN Area, 0260 MD TM PWD SURG, 2nd Medical Battalion, 3 FSB, 125th CS BN Med Co, FSB, USS Duluth (LPD-6), 28th Expeditionary Med Sq, USS Kitty Hawk (CV-63), 31st Combat Support Hospital (CSH), U.S. Naval Hospital Yokosuka, 10th Combat Support Hospital (CSH), 0160 MD DET PWD SURG, TM USS John C. Stennis (CVN-74), 0102 MD DET PWD SURG, 225 FSB Med Co, Co 2nd Medical BN, U.S. Naval Hospital Guam, Fleet Hospital Unit 8, 59th.
Support Tasks

- STIGS
- JAVA STORED PROCEDURE
- DATABASE
- NETWORK
- APPLICATION SERVICES
- ORACLE WAREHOUSE BUILDER
• **Software Requirements**

  – **JDK (Java Development Kit 1.2 or higher)**
  
  – **Oracle Database**
WRITE YOUR JAVA CODE

LOAD AND RESOLVE YOUR JAVA CODE

PUBLISH YOUR JAVA CODE

RUN/CALL YOUR JAVA CODE
loadjava -u uid/password@dbconnection -v -
resolve c:\file.java

CREATE OR REPLACE FUNCTION
  FUNC_JAVA (parameter IN VARCHAR2)
RETURN VARCHAR2 AS

LANGUAGE JAVA NAME
  'com.akimeka.db.oracle.utilities.file.program(
    java.lang.String) return java.lang.String';
/

CREATE OR REPLACE TRIGGER trigger_name
BEFORE INSERT
ON table_name
REFERENCING NEW AS NEW
OLD AS OLD
FOR EACH ROW
DECLARE
BEGIN
:NEW.VAR := FUNC_JAVA(:NEW.CODE);
END;
/

• Software Requirements
  – Oracle Database 10gR2
    • Oracle Workflow Server 2.6.4
  – Oracle Warehouse Builder 10.2.0.1.31
  – Operating System (Windows XP Pro)
Oracle Warehouse Builder

FLAT FILES → EXTERNAL TABLE → MAPPING → TARGET TABLE

PROCESS FLOW
Acknowledgements

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MAHALO!