

Information Networking Through State of the Art Technology Integration

Verticon, Inc. is an information technology research, product development, and consulting services company. Verticon specializes in RFID Inventory and Parts Tracking analysis, modeling and reporting solutions; the creation of multi-platform open source software applications; the design and implementation of inter-organizational document repositories and exchanges and the Machine to Machine (M2M/IOT) integration of sensors, actuators, controllers and computers.

Verticon strives to not only provide a solution to your information management requirements, but will craft a solution that is based on industry standard best practices, does not lock you into a proprietary platform and one that will leave the door open for future growth. Verticon is a verified veteran owned small business (VOSB) enthusiastic about teaming with partners on Federal and State projects.

NAICS Codes : 541511 Custom Computer Programing; 541512 Computer Systems Design; 541519: Other Computer Related Services; 561990: Inventory Computing and Taking Services

Business Intelligence Solutions

- Requirements Modeling¹
- Information Tooling
- Analysis & Reporting
- Database Design²

Multi-Platform Application Solutions

- Rich Client³
- Mobile Client⁴
- Embedded Appliances
- Server Infrastructure

1 Eclipse Modeling Framework (EMF)

2 SQL and Document Stores (NoSQL)

3 Eclipse Rich Client Platform

4 HTML5 Web Applications

Device and Network Integration

- Sensor and control networks
- Wireless and RFID
- Message Brokers⁵
- Content Event Processing

Previous Project Use Cases

- Laboratory Item Movement Tracking
- Parts Tracking Information Management
- Laboratory Instrument Control
- Food Service Product Labeling
- Agriculture Information Management⁶

5 MQTT, Kafka and other Enterprise Buses

6 See the Verticon Tracker Product line

Technology Expertise

- Java, JavaScript, HTML5, XML, EMF, Geo Location (KML), CSS,UML
- RDBMS, Elastic, MongoDB, MQTT, Kafka
- OSGi, Eclipse RCP, Avro
- Kibana, BIRT, Business Objects, SQL,OCL
- Sensors, RFID, Bluetooth, WiFi, TCP Sockets

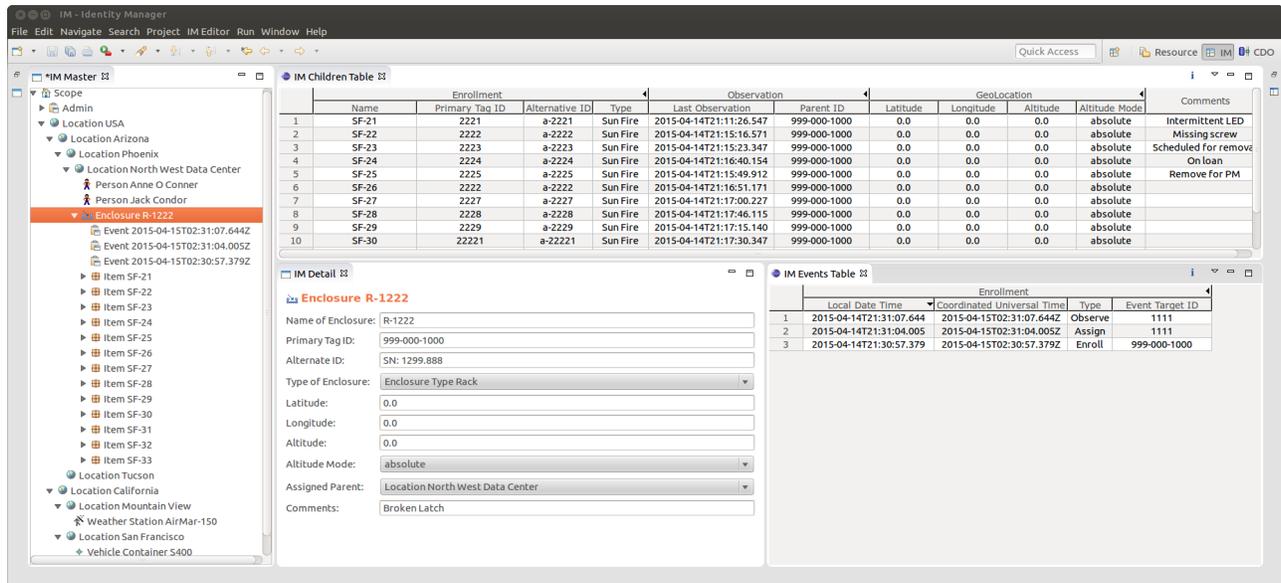
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Verticon Professional Services and Systems Integration Solutions

- Requirements Studies, Specifications Modeling and Project Management
 - Deliverables: Eclipse Rich Client Application and Dynamic Project Management Toolkit
 - Example: Identity Manager Specification Modeler - Model



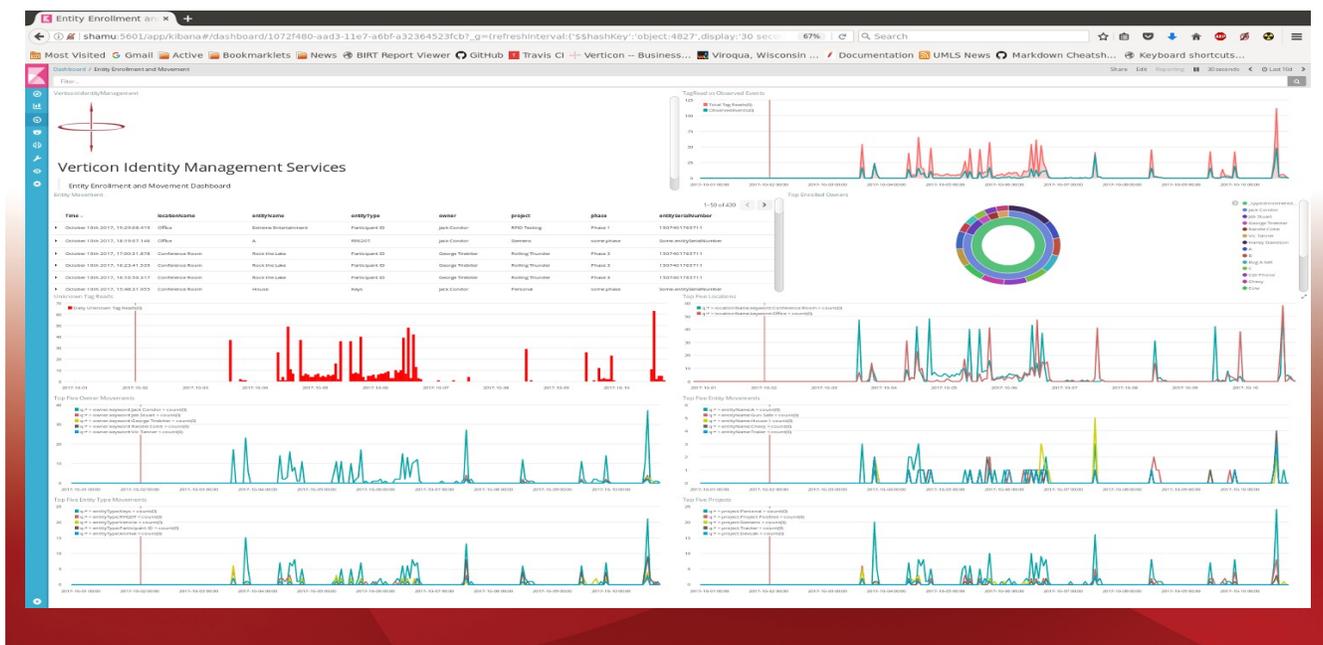
The screenshot displays the IM Identity Manager application interface. On the left is a tree view of the system hierarchy, including locations like Arizona, Phoenix, and Tucson. The main area is divided into several panes:

- IM Children Table:** A table listing enrollment and observation records.

	Name	Primary Tag ID	Alternative ID	Type	Last Observation	Parent ID	Latitude	Longitude	Altitude	Altitude Mode	Comments
1	SF-21	2221	a-2221	Sun Fire	2015-04-14T21:11:26.547	999-000-1000	0.0	0.0	0.0	absolute	Intermittent LED
2	SF-22	2222	a-2222	Sun Fire	2015-04-14T21:15:16.571	999-000-1000	0.0	0.0	0.0	absolute	Missing screw
3	SF-23	2223	a-2223	Sun Fire	2015-04-14T21:15:23.347	999-000-1000	0.0	0.0	0.0	absolute	Scheduled for removal
4	SF-24	2224	a-2224	Sun Fire	2015-04-14T21:16:40.154	999-000-1000	0.0	0.0	0.0	absolute	On loan
5	SF-25	2225	a-2225	Sun Fire	2015-04-14T21:15:49.912	999-000-1000	0.0	0.0	0.0	absolute	Remove for PM
6	SF-26	2222	a-2222	Sun Fire	2015-04-14T21:16:51.171	999-000-1000	0.0	0.0	0.0	absolute	
7	SF-27	2227	a-2227	Sun Fire	2015-04-14T21:17:00.227	999-000-1000	0.0	0.0	0.0	absolute	
8	SF-28	2228	a-2228	Sun Fire	2015-04-14T21:17:46.115	999-000-1000	0.0	0.0	0.0	absolute	
9	SF-29	2229	a-2229	Sun Fire	2015-04-14T21:17:15.140	999-000-1000	0.0	0.0	0.0	absolute	
10	SF-30	2221	a-2221	Sun Fire	2015-04-14T21:17:30.347	999-000-1000	0.0	0.0	0.0	absolute	
- IM Detail:** A form for 'Enclosure R-1222' showing fields for Primary Tag ID (999-000-1000), Alternate ID (SN: 1299.888), Type of Enclosure (Enclosure Type Rack), Latitude (0.0), Longitude (0.0), Altitude (0.0), Altitude Mode (absolute), Assigned Parent (Location North West Data Center), and Comments (Broken Latch).
- IM Events Table:** A table listing enrollment events.

	Local Date Time	Coordinated Universal Time	Type	Event Target ID
1	2015-04-14T21:31:07.644	2015-04-15T02:31:07.644Z	Observe	1111
2	2015-04-14T21:31:04.005	2015-04-15T02:31:04.005Z	Assign	1111
3	2015-04-14T21:30:57.379	2015-04-15T02:30:57.379Z	Enroll	999-000-1000

- Event Integration and Management Solutions (Using OpenSource and Industry Standards)
 - Asset, Parts, Resources & Inventory Management
 - Example: Entity Enrollment and Movement Dashboard



The screenshot shows the 'Entity Enrollment and Movement Dashboard' in a web browser. The dashboard includes:

- Table:** A table with columns: Time, Location, Address, Asset Type, Asset ID, Asset Name, Project, Phase, and Enrollment Status. It lists several conference rooms and their enrollment details.
- Charts:** Multiple line charts showing enrollment and movement trends over time. One chart is titled 'Tagged on Observed Events' and another 'Top Five Daily Movements'.
- Donut Chart:** A donut chart showing the distribution of enrollment types.
- Navigation:** A sidebar with navigation icons and a search bar.