Pin Point / WSIT Update
&
Common Parts Management

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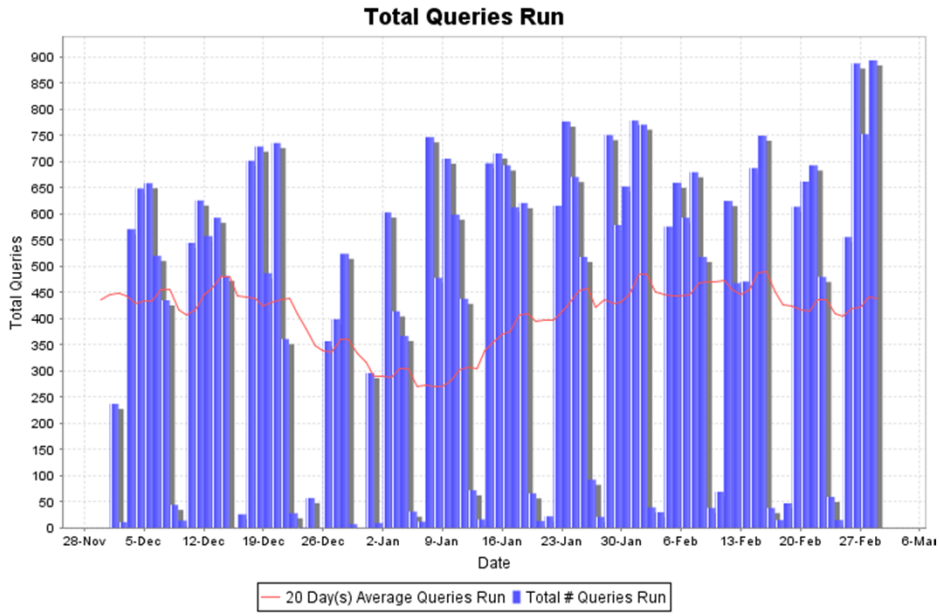
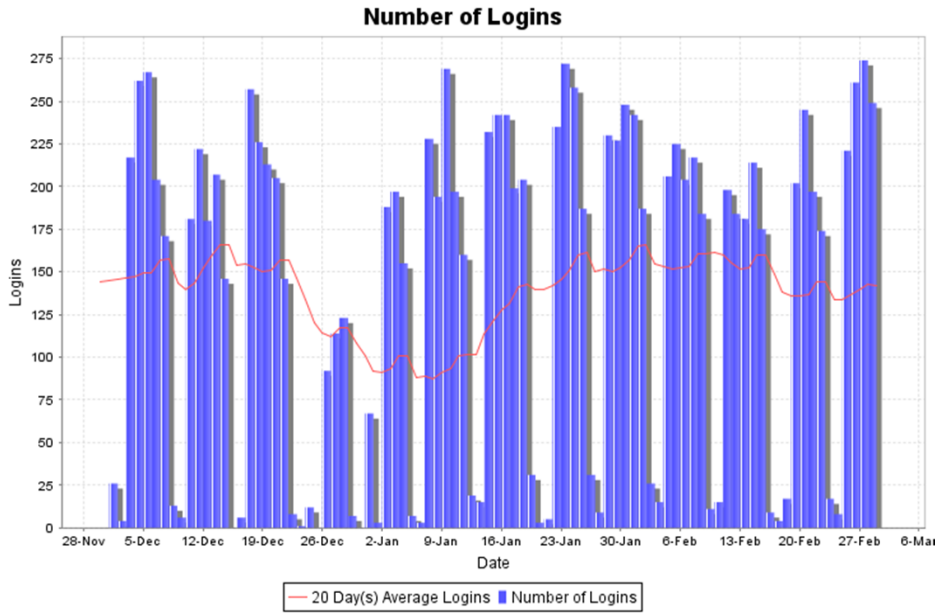
Turning Data into Actionable Assets

What is Pin Point?

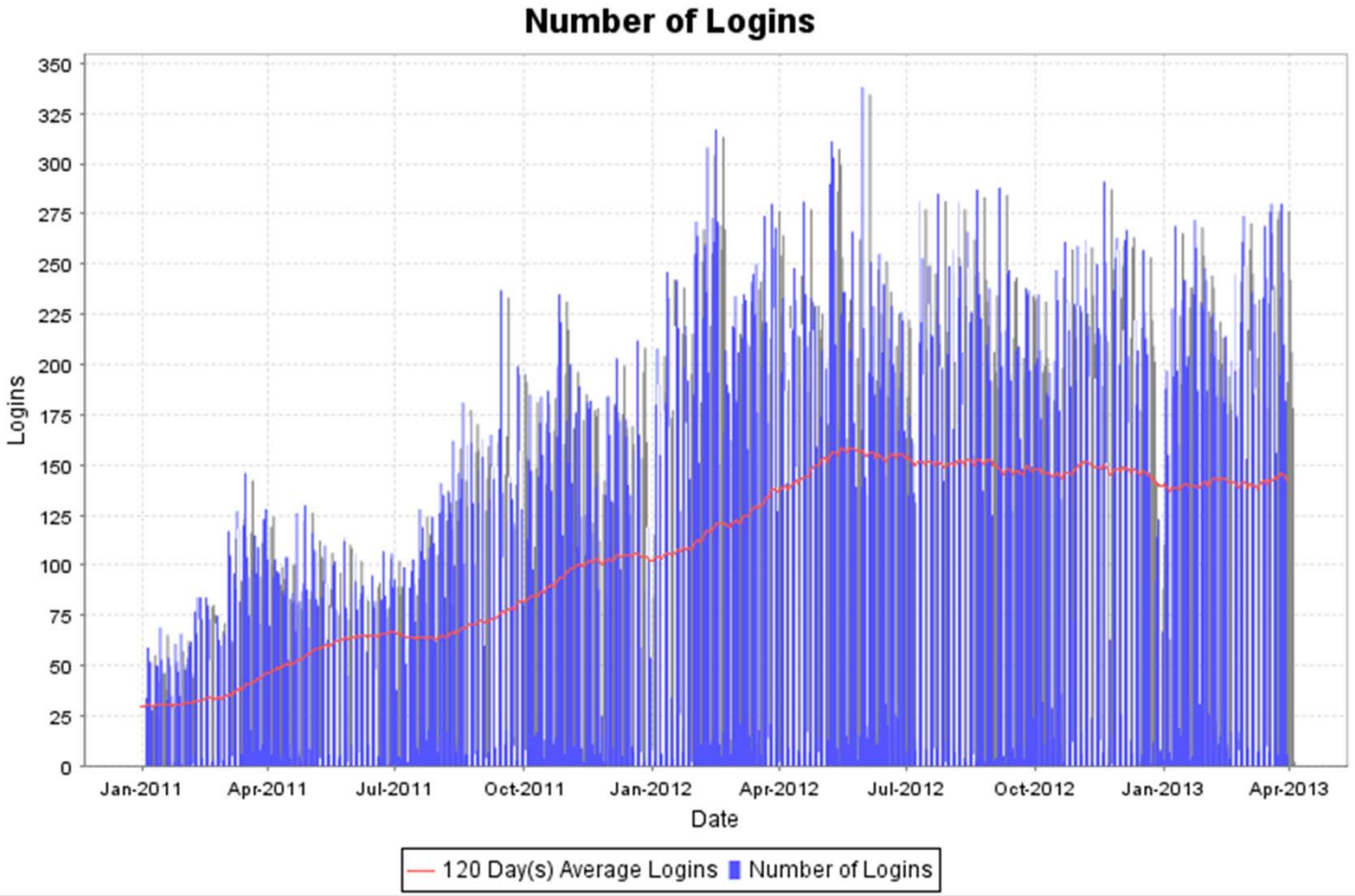
- A website portal which provides users access to the Coherent View® and ComMDF
- Collates part information from many sources including the largest government parts portals
  - GSA Advantage
  - DOD EMALL
- Displays technical and logistics data collected from manufacturer and distributor catalogs
- CAC enabled/Free for Government Users

Pin Point Usage
Dec 2012 –Mar 2013





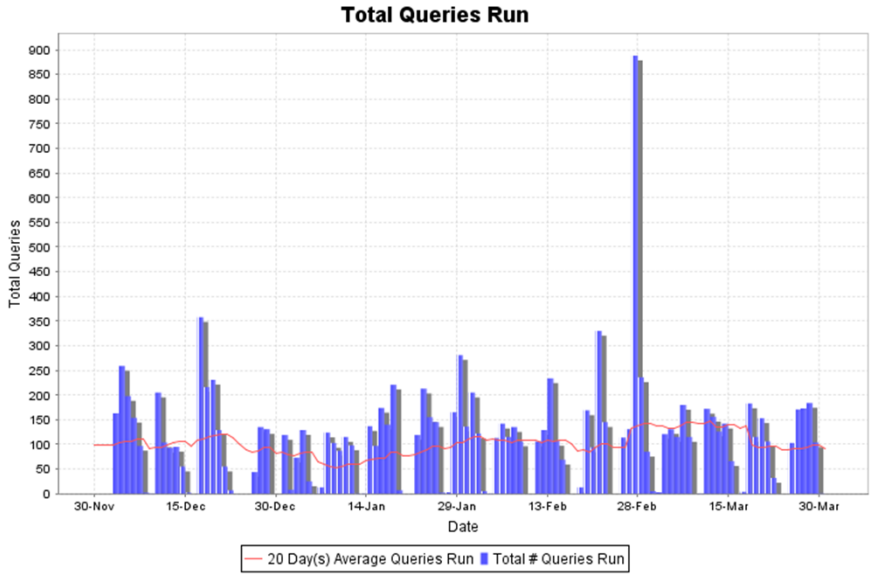
Pin Point Usage
2011-2013

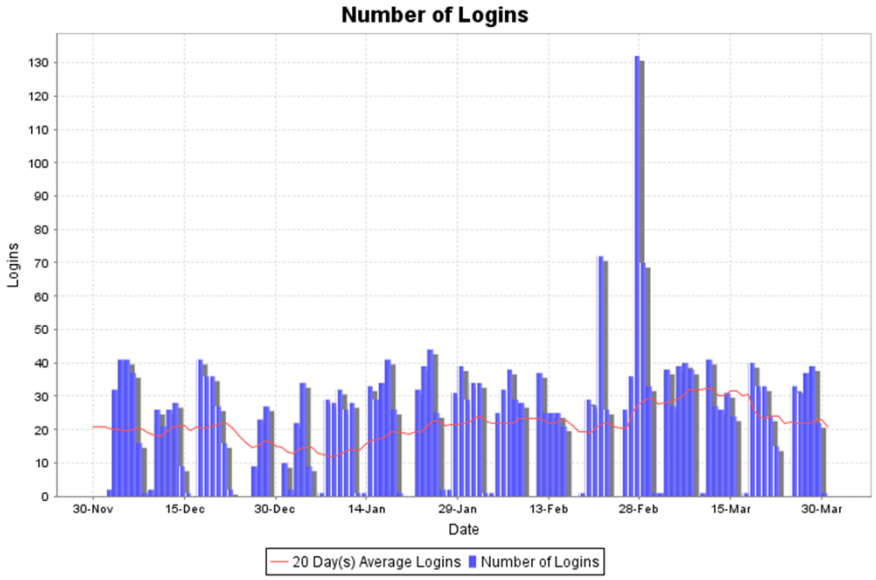


What is WSIT?

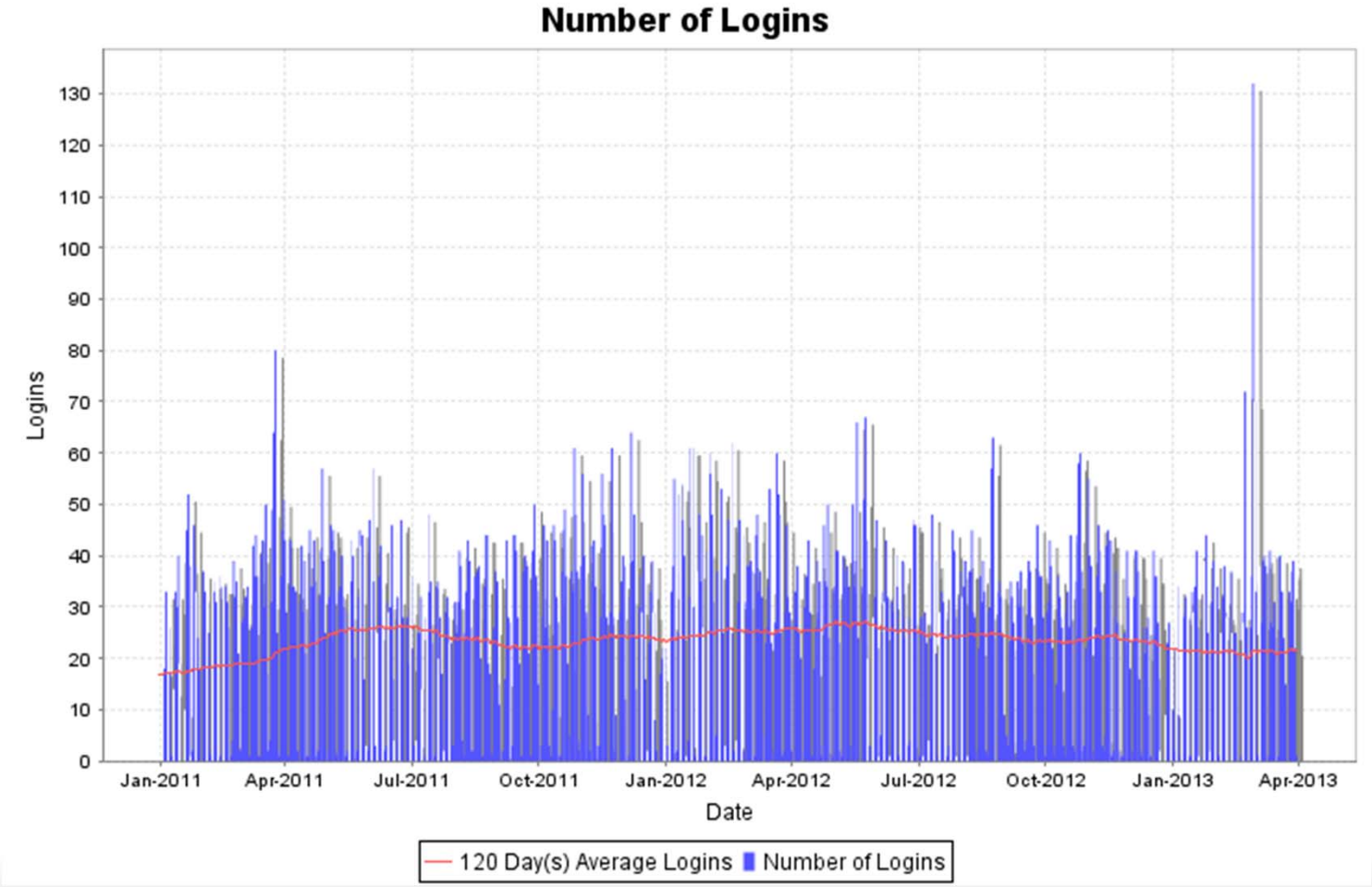
- W.S.I.T. – Weapon System Impact Tool Website
- Developed for Defense Standardization Program Office to assess the impact of specification changes to NSNs and Weapon systems
- Three different types of queries on the Coherent View data
  - Query by specification allows the user to query for all weapons systems which have parts governed by any given specification.
  - Query by weapon system displays all specifications which govern the parts in the given weapon system.
  - Query for NIIN and controlling specification allows users to view the actual parts (FSC-NIIN) that the given specification governs in the given weapons system.
- CAC enabled/Free for Government Users

WSIT Usage
Dec 2012 – Mar 2013





WSIT Usage
2011-2013



Common Parts Project

- The main objective of this effort was to set up the infrastructure for a scalable, automated common parts information sharing system and use that infrastructure to populate the system with data for additional product domains and OEMs and make that data easily accessible to multiple stakeholders

Background

- Pilot project conducted in 2010 and 2011 to identify benefits of sharing data about common commodity parts between OEMs and DLA
- Benefits identified for DLA and OEMs
  - Eliminating duplication and reducing standards parts lists
  - Improved part selection by easily identifying common parts in the supply chain
- Pilot was not scalable with only limited data

Project Goals

To achieve scalability and automation we:

- Developed a knowledge representation for semantics of common shared parts that can support standardized communication for all stakeholders
- Automated the processes for gathering, standardizing, and disseminating data as web services
- Designed a workflow that utilizes these web services to maintain and update data about common parts

Results/Conclusion

- Infrastructure has been created to support a scalable sharing of commodity part data
  - Schema for a shared common parts database
  - Linked data knowledge model based on W3c Semantic web standards
  - Generic web service design for stakeholders to query shared common parts data
  - Workflow design and supporting web services to maintain currency of the shared data
  - Enhanced data for four commodity part domains
- System can be deployed using this infrastructure if and when stakeholders decide to support it