

DOD PartLink and Pin Point Update for the PSMC

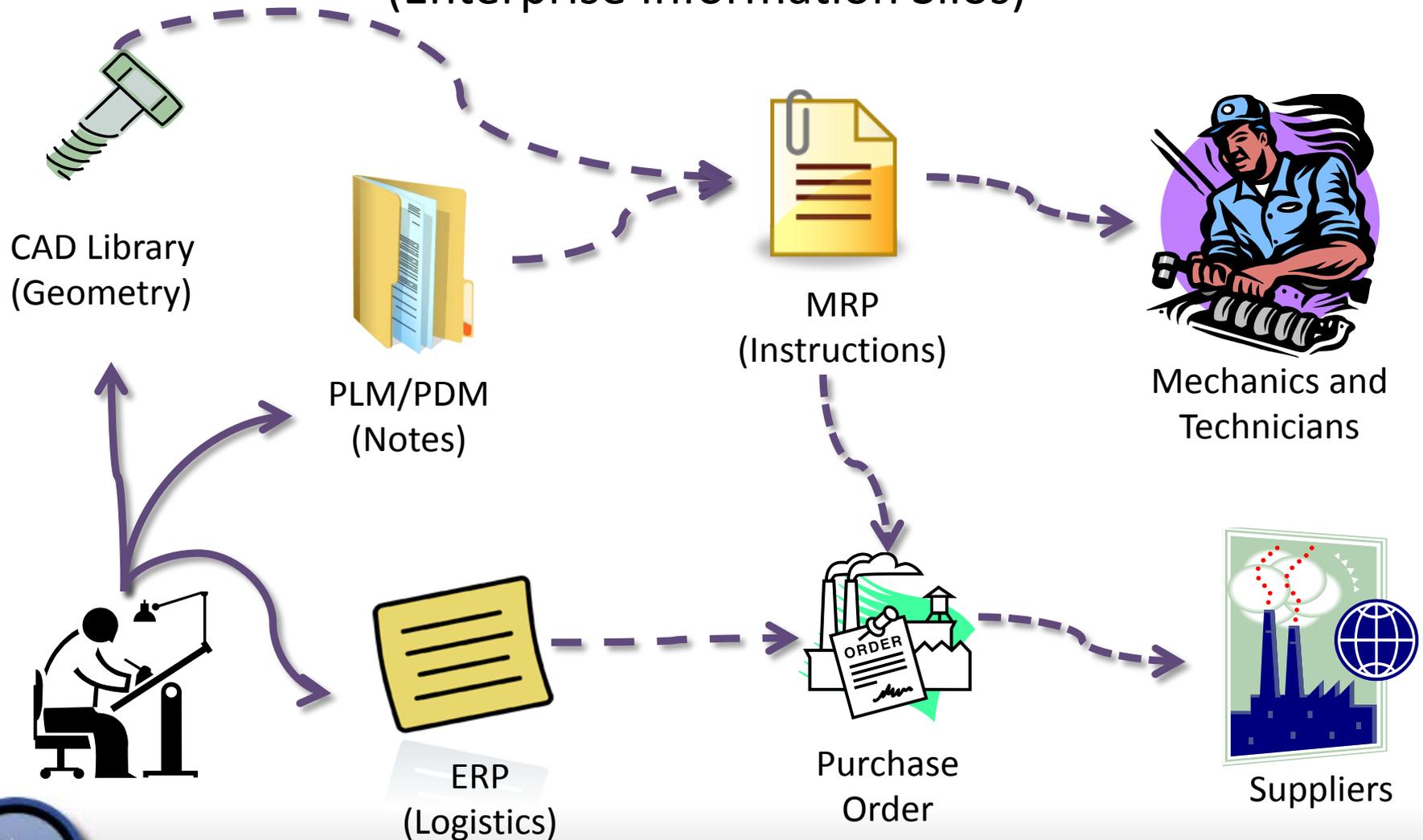
XSB, Inc

31 October 2014



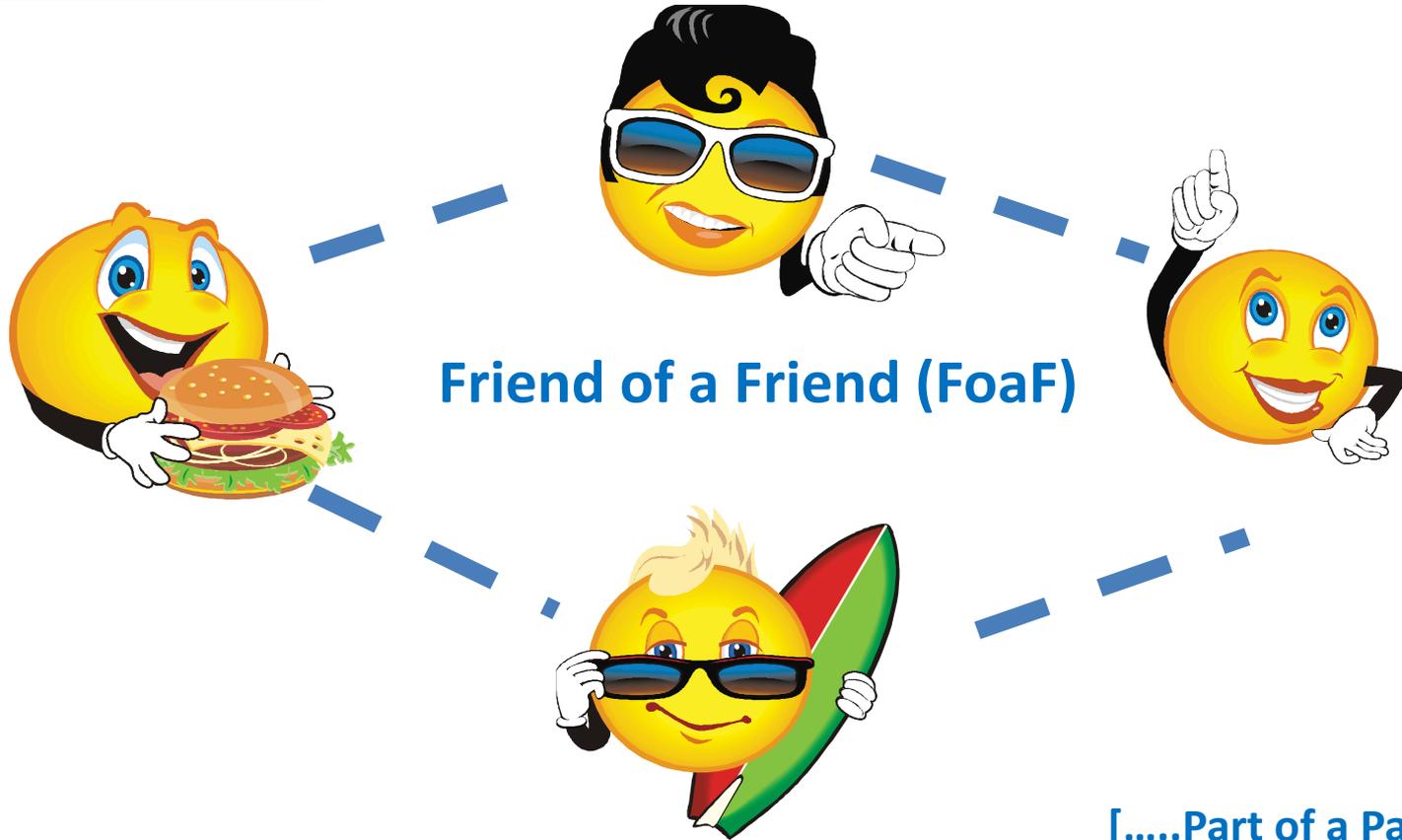
The Problem in a Picture

(Enterprise Information Silos)



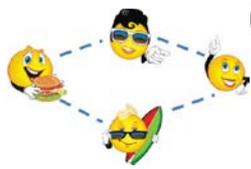


W3C Linked Data Model (aka Semantic Web)

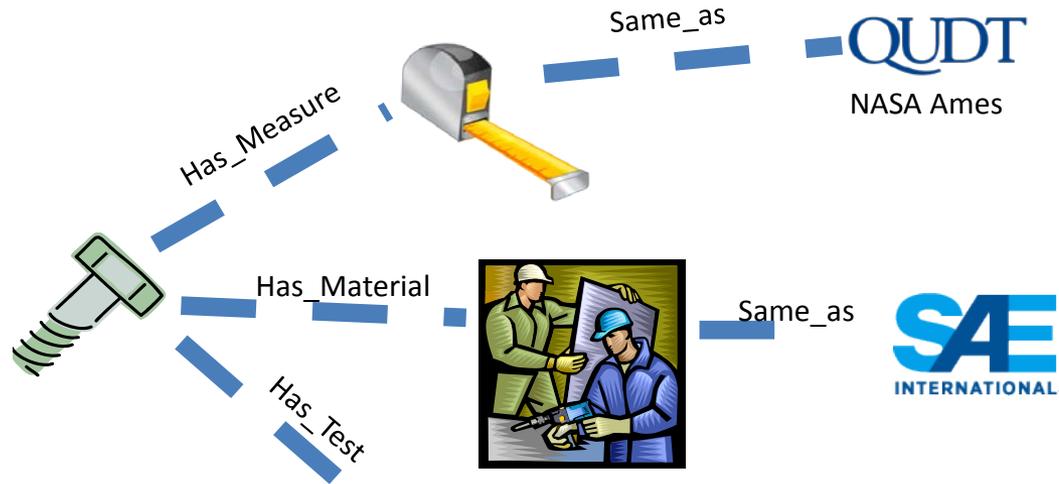


[.....Part of a Part???)

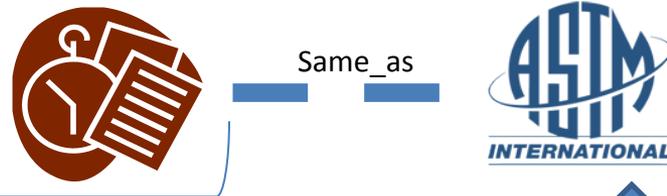




Can A Linked Data Model Work for Parts at Web Scale?



NSN 5306-01-151-1604
BOLT, MACHINE

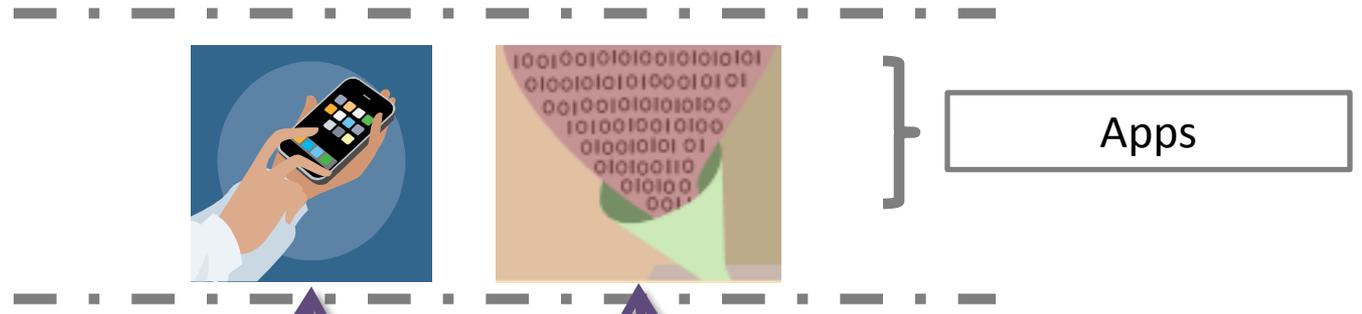
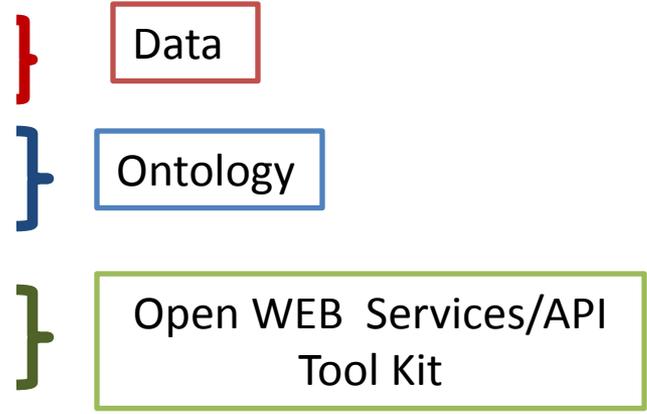
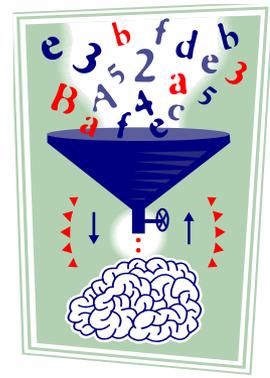


Parts & their characteristics **Linked to** Authoritative Vocabularies **=** Interoperability





PartLink: The Industrial Semantic Web



Human-Machine



Regular People

Machine-Machine



Enterprise Systems



Turning Data into Actionable Assets

PartLink Developer Challenge



Semantic Web Developer Challenge

XSB, a leading provider of master data management solutions to large commercial and government entities, and **SemanticWeb.com**, the leading website dedicated to news and information about the application of Semantic Technologies, are sponsoring the Semantic Web Developer Challenge. This Challenge is based on PartLink, a solution being developed by XSB for the US Defense Logistics Agency (DLA). PartLink uses Semantic Web technology to create a coherent linked data model for all part information in the Defense supply chain.

The Semantic Web Developer Challenge calls on participants to build sourcing and product life cycle management Applications based on novel uses for the PartLink Data model.

Cash Prizes
will be awarded
for the best Apps;
including a
\$5,000 (USD)
1st Prize

KEY DATES

August 18
API documentation and
sample apps online

August 29
Forum for registrants goes live

September 15 - September 30
Scheduled webinar briefings

October 1 - November 15
Challenge open for
App submissions

November 17 - December 3
App Web presentations
to Judges

December 8
Challenge winners announced

**WE'RE INVITING ANY INTERESTED PARTIES TO REGISTER,
ALTHOUGH WE'LL BE LIMITING THE NUMBER OF PARTICIPATING
TEAMS TO 36. REGISTER EARLY TO SECURE YOUR SPOT!**



XSB



PartLink Weapon System Material Impact Tool

Relating materials, weapon systems and NSNs together

Query by NSN

Query by NSN allows the user to view all weapon systems the NSN is used in along with its material constituents. The results returned by the query include the material, the weapon system designator code and descriptions for each.

Query by Material

Query by Material allows the user to view all NIINs that contain that material and all Weapon systems that contain that material

Query by Weapon System

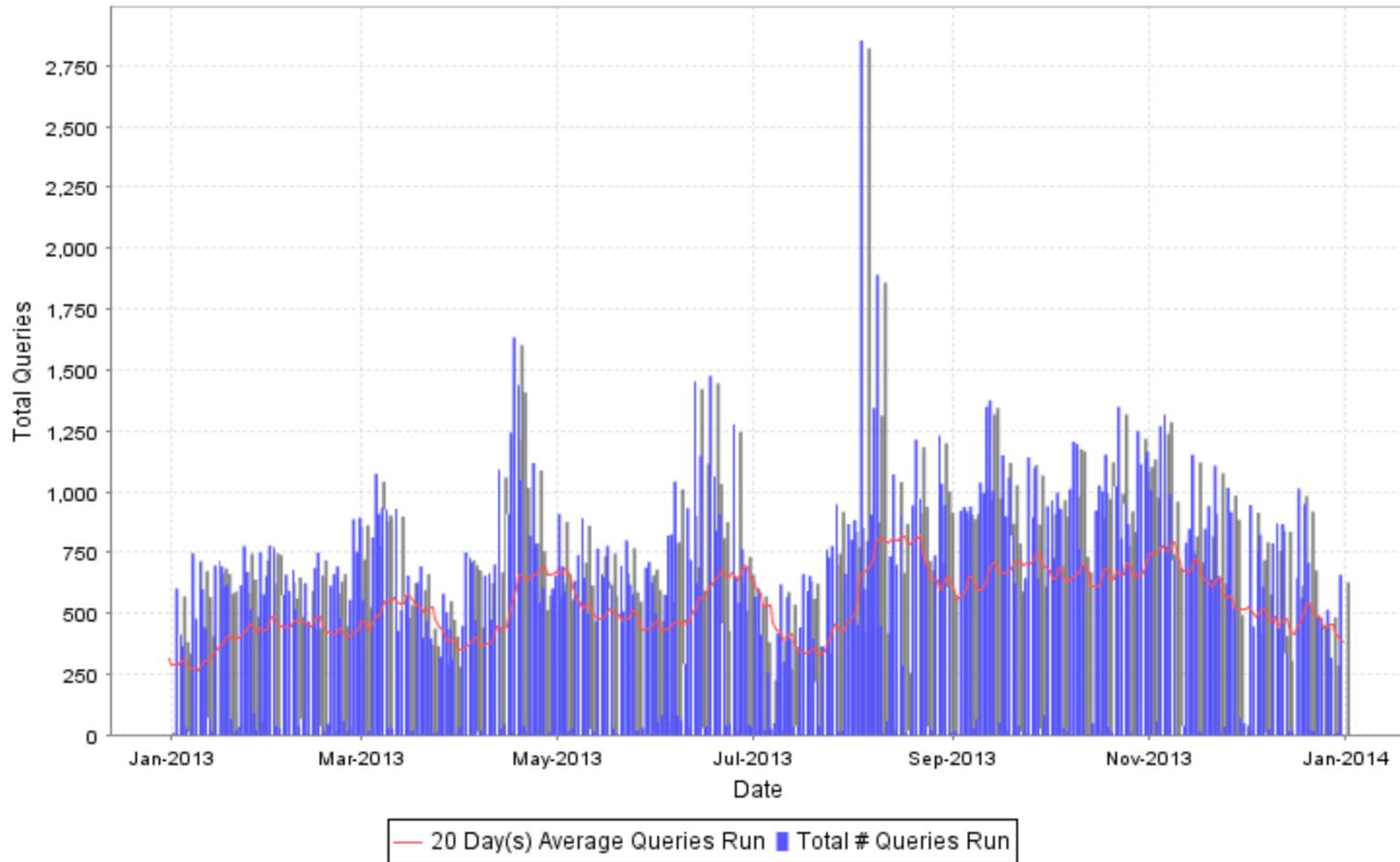
Query by WSDC allows the user to view all constituent materials of the parts in the weapon system. The results returned by the query include the material, and the number of NIINs in the weapon system containing that material. And the list of NIINs contained in that weapon system

<https://partlink.xsb.com>

PARTLINK DEMO



Total Queries Run



PIN POINT UPDATE

