

# Semantic MediaWiki for everyone

Encouraging an enterprise level of participation from an audience that  
includes mostly MediaWiki noobs

# Background

- milWiki is a military enterprise wiki, started in 2008 to be an “online, internal encyclopedia for the DoD”
- milWiki is one component of an overall suite of DoD social business tools called milSuite  
<https://en.wikipedia.org/wiki/MilSuite>
- The milWiki application alone supports nearly 400,000 registered users and contains more than 20,000 articles\* in more than 7,000 categories.

*\*All pages = more than 350,000*

# Transition to SMW

- SMW was introduced to our milWiki environment in 2010
- In short period of time we used SMW Properties to establish an enterprise taxonomy to provide a structured data layer over our user-generated organizational folksonomy
- Semantic Forms was introduced in 2012 and had a major impact on our data integrity
- Concepts were used to create high-level collections of articles, substituting for categories that could not be maintained
- We currently have 1.95 million property values assigned on just under 500 different properties.

# What Forms did for us

- IMO: Don't bother using SMW for an enterprise if you don't use Forms.
- Creating a series of standard Forms for different article types and projects greatly increased participation.
- Use dropdowns whenever you can, to improve standardization
- Try to always have a *values from property=* type-ahead set
- *Has default form* and *Has alternate form* have been huge

# Redirects are you friend - Acronym soup

## **Program Executive Office Command, Control and Communications-Tactical**

List of redirects

- PEO C3T
- PEOC3T
- PEO Command, Control and Communications Tactical
- Command, Control, Communications Tactical
- Program Executive Office Command, Control and Communications Tactical
- Program Executive Office Command, Control, Communications Tactical

# Make reusable form pieces

Related Social Media

*(Place URLs in relevant fields)*

 milBook Group:	<input type="text"/>
 milBook Community:	<input type="text"/>
 milWire:	<input type="text"/>
 milTube Tag:	<input type="text"/>
 Wikipedia:	<input type="text"/>
 Intellipedia:	<input type="text"/>
 Facebook:	<input type="text"/>
 Twitter:	<input type="text"/>
 Flickr:	<input type="text"/>
 Youtube:	<input type="text"/>
 Vimeo:	<input type="text"/>
 Instagram:	<input type="text"/>
 Delicious:	<input type="text"/>
 LinkedIn:	<input type="text"/>
 Slideshare:	<input type="text"/>
 DVIDS:	<input type="text"/>
 RSS Feed:	<input type="text"/>

# Create Templates based on Queries

- Activity feeds for user
- Activity feeds for Categories
  - Ex: {{Activity|Category}}
- Activity Calendars
- Slideshows and Galleries
- Related Content

# Query Forms as an introduction to value

- Browse pages are our most popular click off the homepage
- Query Forms are a great way to get users to see the value of SMW
- Filter query format to provide that “Amazon” experience

Organizations

Biographies

Installations

Facilities

Products

Doctrine

# Building Training

## Our 12-step training guide

1. Planning and identifying properties
2. Creating the page Template
3. Creating the page Form
4. Associating the form with a category for editing
5. Controlling naming conventions through the form
6. Updating and creating properties
7. Advanced property attributes and functions
8. Basics of displaying semantic data inline, on pages
9. Using Special:Ask to perform advanced queries
10. Available Semantic Result Formats
11. Using the Template Result Format
12. Creating a Query Form

# Examples

- IT ticketing system with SMW
- An app store with SMW
- Unit training interface

# IT ticketing system

- Organization uses semantic forms to create an IT ticketing system
- The *page name=* and *<unique number>* parameters of the `{{info}}` tag allowed for a consecutive ticket number naming convention for articles
- Status of the article is set through a property
- All members of the IT departments use inline queries on their user pages to track tickets and assignments
- Customer is easily notified through wiki watchlist when work is done on their ticket

# An app store

- Established a mobile app store leveraging Semantic Forms, Semantic Rating and Semantic Result Formats extensions.
- Each app has its own entry and can be rated and reviewed by users
- Semantic Result **Filter** Format with a Template format provides a great searching interface with very little coding knowledge necessary

# Unit training

- Query browse interface helps Soldiers find their training requirements
- User set up a series of wiki articles based on positions, listing necessary training requirements
- Soldiers use designed dropdown selection to position, and execute the query to display proper training aides