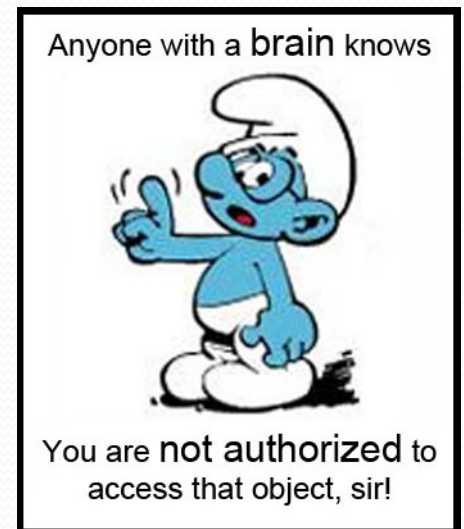- **What are micro-services?**
  - "Small things...specialized jobs...only truly powerful when they work in concert...ZOMG IT'S THE SMURFS" –Michael B. Klein
  - Small, self-contained, independent services
  - Easier to develop, deploy, maintain, enhance, replace.
  - Interoperable: combine for more complex applications.
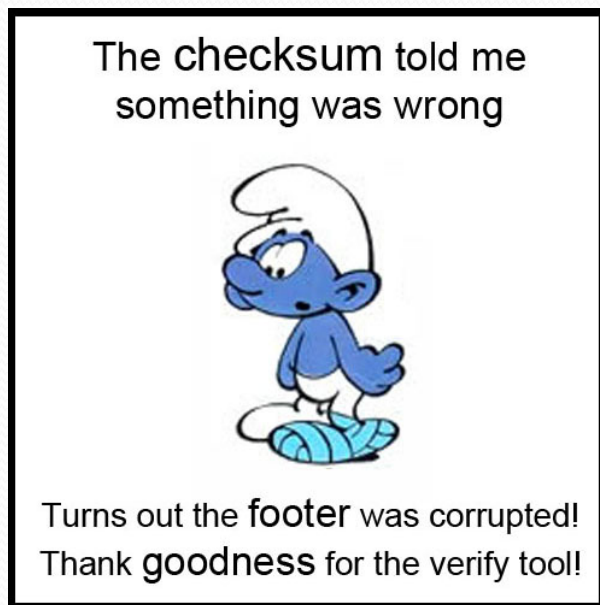
- **Examples of micro-services:**
  - Annotate – describe/catalog an object
  - Identify - generate an identifier
  - Store - store object on a filesystem

- **https://confluence.ucop.edu/display/Curation/Home**

- **Penn State is exploring a micro-services approach:**
  - To move away from existing proprietary platforms
  - To begin curating electronic records and research data

The **checksum** told me something was wrong

Turns out the **footer** was corrupted! Thank **goodness** for the verify tool!

June-Nov 2010 Pilot project
- •Attended Curate Camp "unconference"
- •Analyzed current tools, started building new ones
- •Gathered use cases

Example use case: The Electronic Records Manager needs an automated naming convention based on record type (e.g. University Press Releases.) Each submission must also be checked for acceptable format (e.g. PDF/a for text.)[Identity & Viability]

Nov 2010-Mar 2011
Curation Architecture Prototype Services (CAPS) project

The team: Digital Architect, Programmer, Digital Collections Curator, Access Archivist, Asst. Head of IT, & Metadata Librarian

The goals:

- Develop, test & assess a curation services architecture based on OpenSRF/XMPP
- Engage library staff in development of applications for ingest, management and retrieval/delivery
- Apply agile development practices
- Document experiences and share source code

The **relate** tool

Worked better than expected