





















































UIC





































Outline



- Celebrating Chopin and his Contribution to Music, Art and Innovation
- EdUnify is Not...
- What is EdUnify?
- History of the Project
- Status, Future activity?
- How to get involved (contribute)?
- Q&A

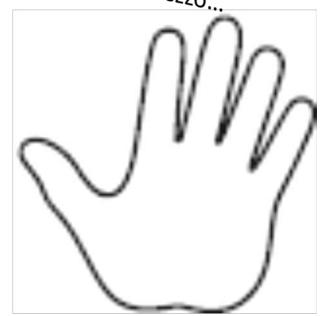


Music

The Abstraction of Notes and Scales

We are limiting how technology can enable teaching and learning the same way Monks teaching and teaching the liturgy with music practiced teaching the Music Staff...

Celebrating the great talent of Chopin and how he applied his skills using the common standard of the Music Staff developed in the 10th Century by Guido of Arezzo...



Why don't we all do things the same way?

Kilometers Learning Outcomes Miles

HTML 110 Volts Domain Naming Course Units

URL +48 22-55 442230 Birth date

8bit, 16bit, 32bit, 64bit, 128bit Surname

Meters

Miles

Meters

Grade Point Surname

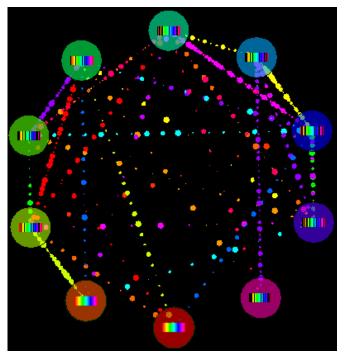
Celsius Fahrenheit Grade Level Program of Study

Can we Align Values? Chaos or Control

- Innovation
- Do it now
- Different starting points
- Different ending points
- Random
- Decentralized
- Trust Assertions

- Fill in the boxes
- Gaps
- Compromises
- Common methods
- Measures
- Centralized
- Trust Assumptions

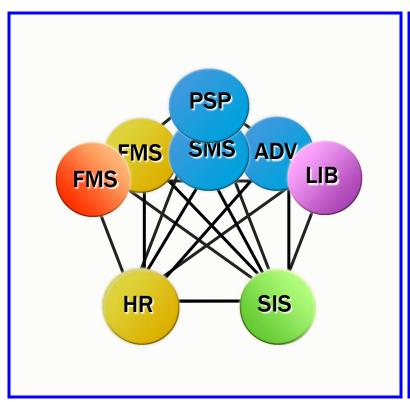
mo·bil·i·ty

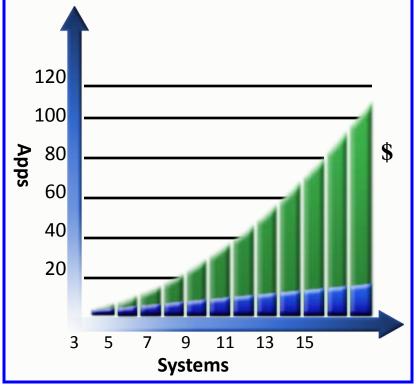


com·merce

Economics of Data Management

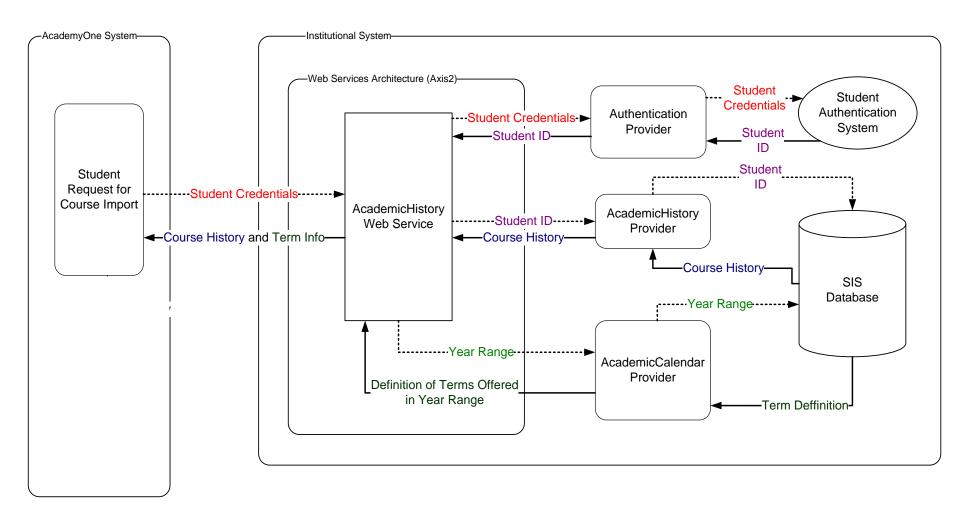
"For every dollar spent on Enterprise Applications, an additional \$4 - \$5 is spent on programmatic adaptation and integration of those applications into the existing Enterprise environment."



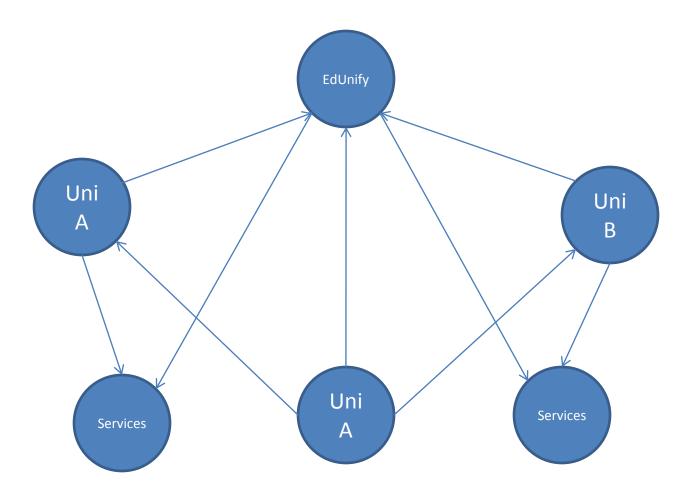


Sample Web Service

Student Academic History



Sample Network



What are electronic data standards?

- Specifications and guidance designed either on a voluntary basis or by act of governance
- The level of adoption and uniformity can vary greatly by institution, capability and interest
- Applying common practices and methods to satisfy business and technical drivers
- May develop from current practices or evolving ones organized to align efforts

de facto de jure

EdUnify Is NOT

- Does not answer your phone, take messages or wake you in the morning
- Does not create a database
- Does not make standards
- Does not change software in place
- Does not print or deliver transcripts or diploma supplements

What is EdUnify?

- A registry and lookup service shared by the education community
- Recording services in a common format to enable search and lookup like DNS, Email Name Resolution
- A White/Yellow Pages for automated services rendered by our community

EdUnify Is...

- Complimentary to other initiatives like
 Common Data Standards
- Will help denote how existing/planned standards can be employed to harmonize systems, components, interfaces and services

How is EdUnify different from other Standards Initiatives?

- Where can specifications and the details be found today?
- What motivates us to align with common specifications?
- How can we initiate adoption of common practices and harmonize outcomes?
- Why should we care about this?
- When will we adopt common, reusable methods?

The Implications

- Spending more on external interfaces and integration
- Increased complexity, finding services and specifications

- Having less control over the semantics of data
- Technology is not the only obstacle
- The Will to share and overcome self interests

Why do we need EdUnify Now?

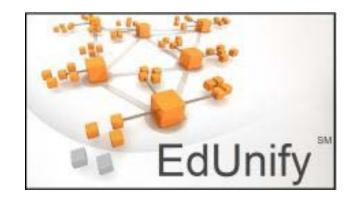
- Reuse: Cell Phone
- Reduce complexity: Before Google
- What do we do with Common Data Standards? Vocabularies, Tagging
- Expanding Adoption by Aligning Incentives and Rewards, Self Interests
- Creating the Virtual Learning Environments and Business Processes for the 21st Century

How will it Work?

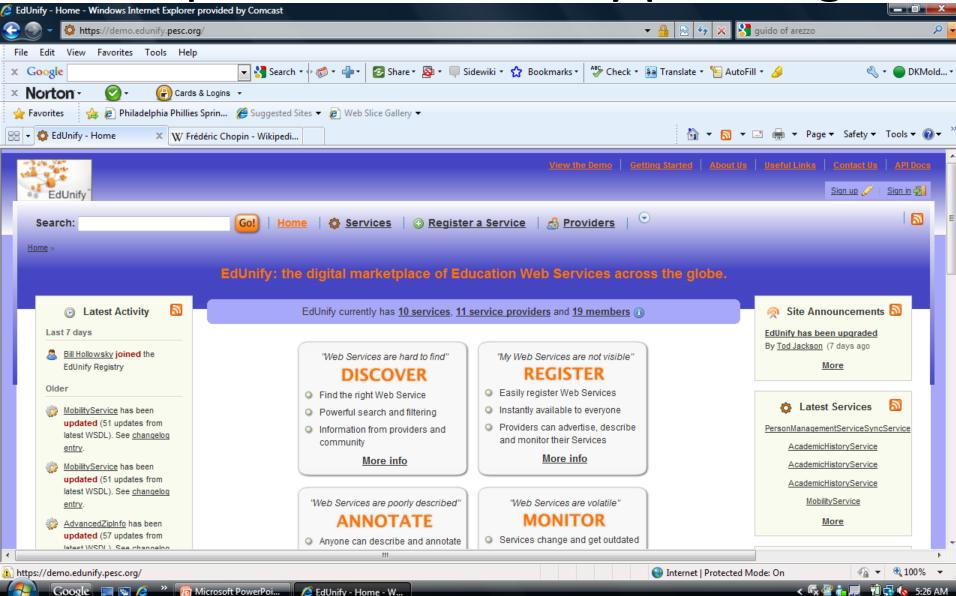
- Proof of Concept
- Beta, Participation
- Sustainability
- Vocabulary, Semantics, Tagging, Ontology
- Auto Lookup and Search
- Membership Model
- Guest, Authenticated, Gateway, Registrars

What are the Primary Services?

- Web Service and Rest Registry service
- Users and program search service
- Alert notification service
- Annotation and Ontology service
- Feedback and rating service
- Monitoring service



https://demo.edunify.pesc.org



https://demo.edunify.pesc.org

"Web Services are hard to find"

DISCOVER

- Find the right Web Service
- Powerful search and filtering
- Information from providers and community

More info

"My Web Services are not visible"

REGISTER

- Easily register Web Services
- Instantly available to everyone
- Providers can advertise, describe and monitor their Services

More info

"Web Services are poorly described"

ANNOTATE

- Anyone can describe and annotate
- Ongoing expert curation
- Social curation by the community

More info

"Web Services are volatile"

MONITOR

- Services change and get outdated
- EdUnify monitors services
- Monitors availability and reliability

More info

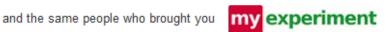
Developed by

Terms of Use Contact Us Further Help About Us Join the friends list Getting Started Registry Stats API Docs For Developers

the EdUnify Registry, based on BioCatalogue developed by:









The EdUnify project is funded by PESC



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Thank you Partners

Our Partners













The EMBRACE Registry and the BioCatalogue have now been merged

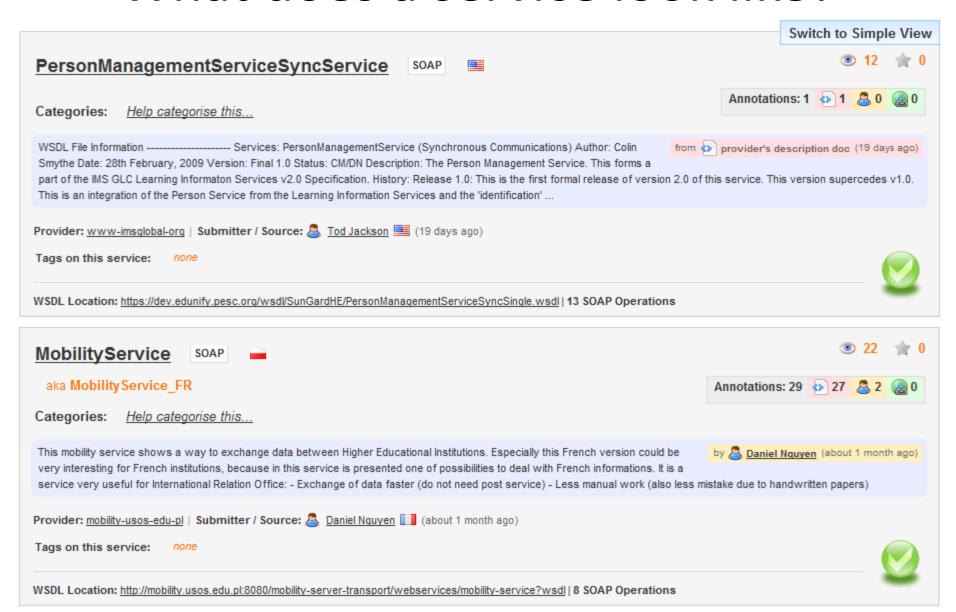
Annotation and Tagging



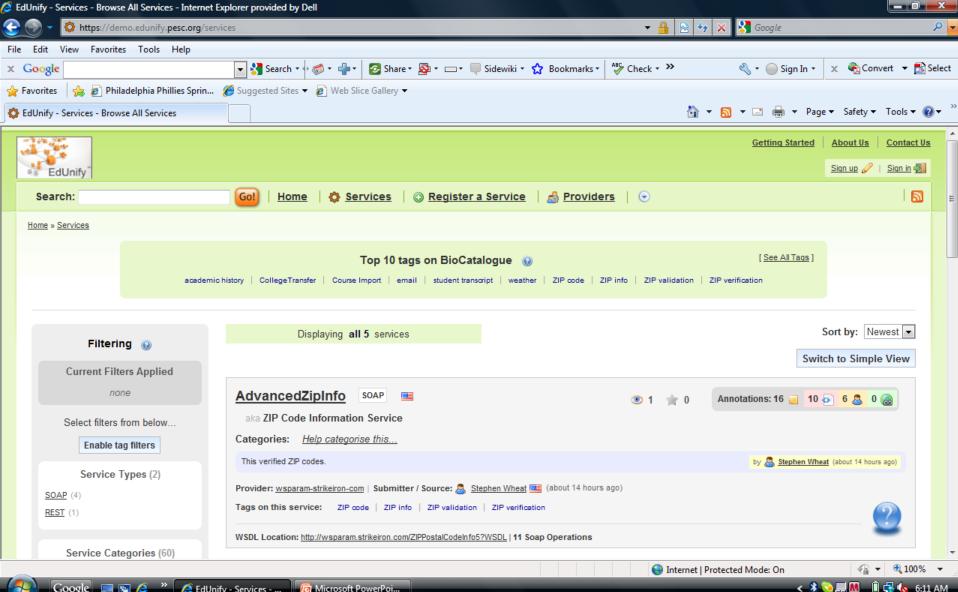
An·no·ta·tion

- 1. The act or process of furnishing critical commentary or explanatory notes.
- **2.** A critical or explanatory note; a commentary.

What does a service look like?



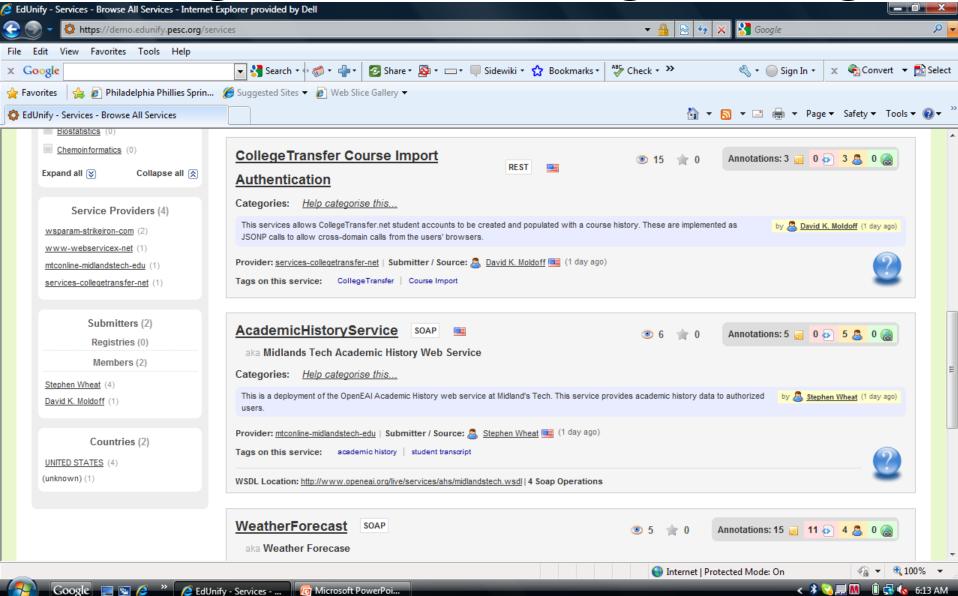
Search for, Annotations



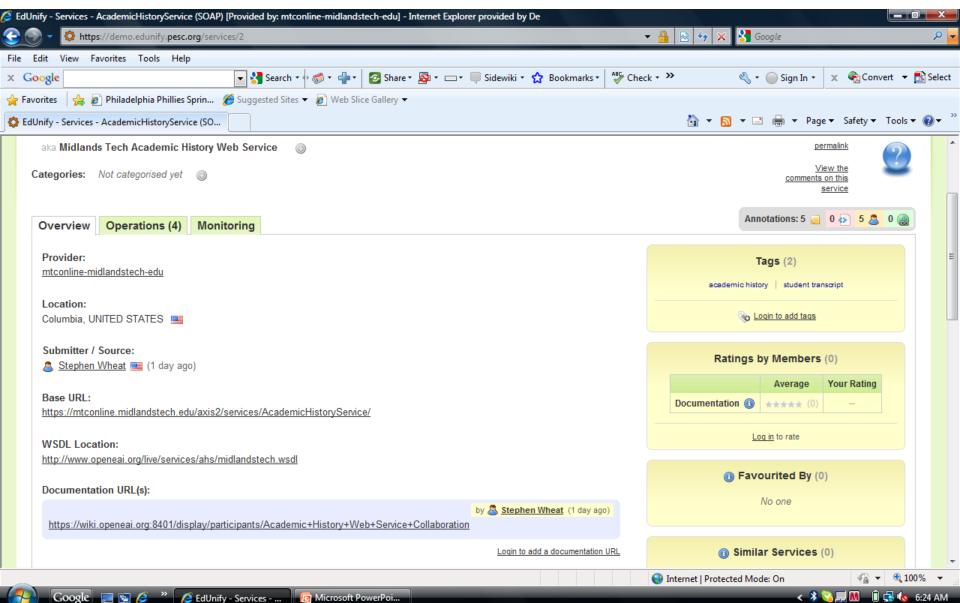
EdUnify - Services - ...

Microsoft PowerPoi...

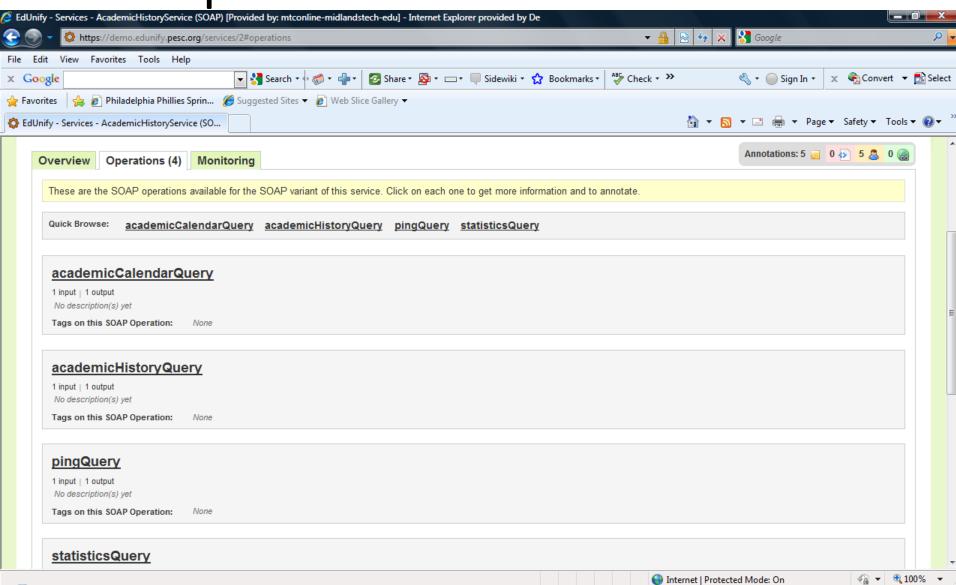
Categories, Monitoring, Ranking



Details of a SOAP Service



Operations a SOAP Service

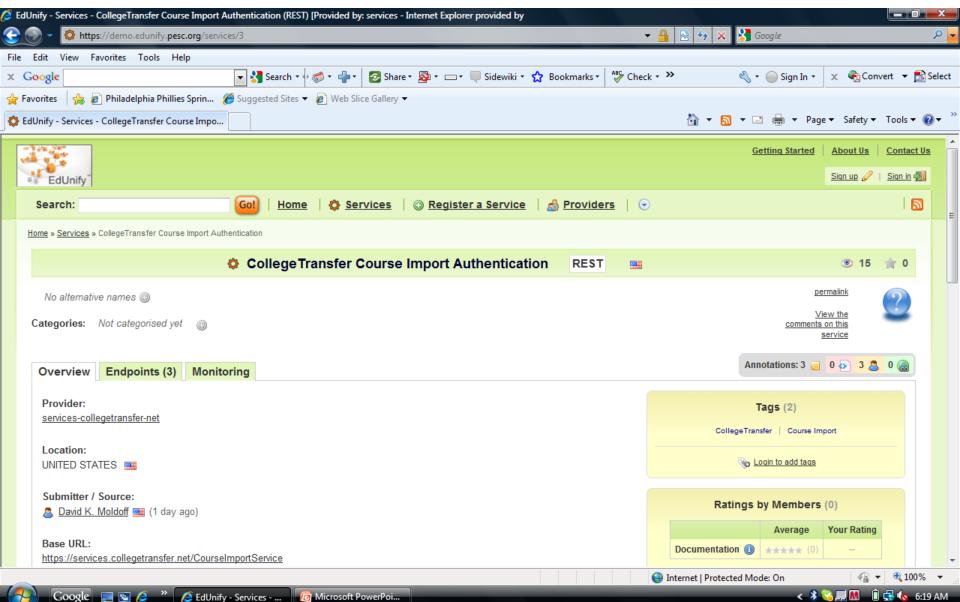


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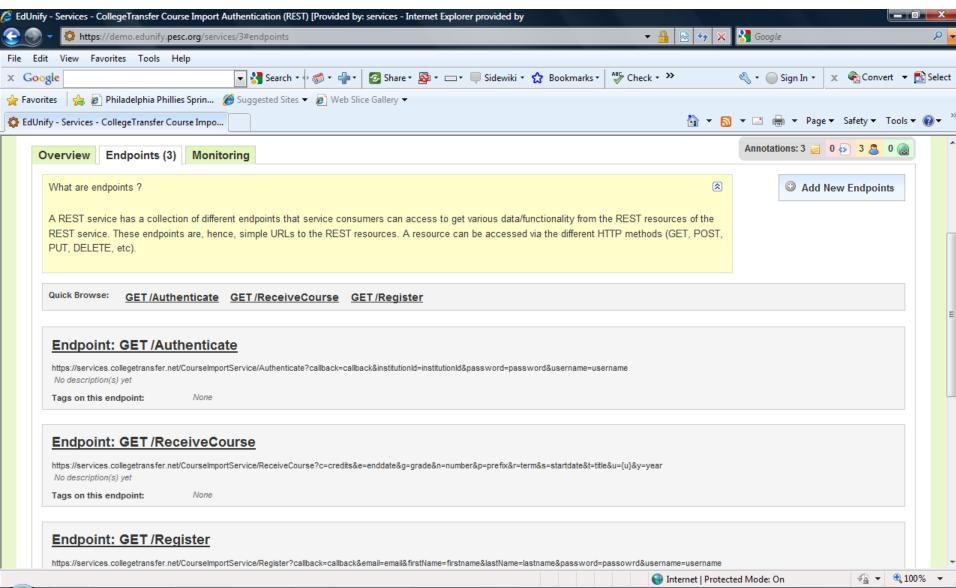
Google 🔚 🔁 🌽 🤲 EdUnify - Services - ...

Microsoft PowerPoi...

Details of a REST Service



End Point Services

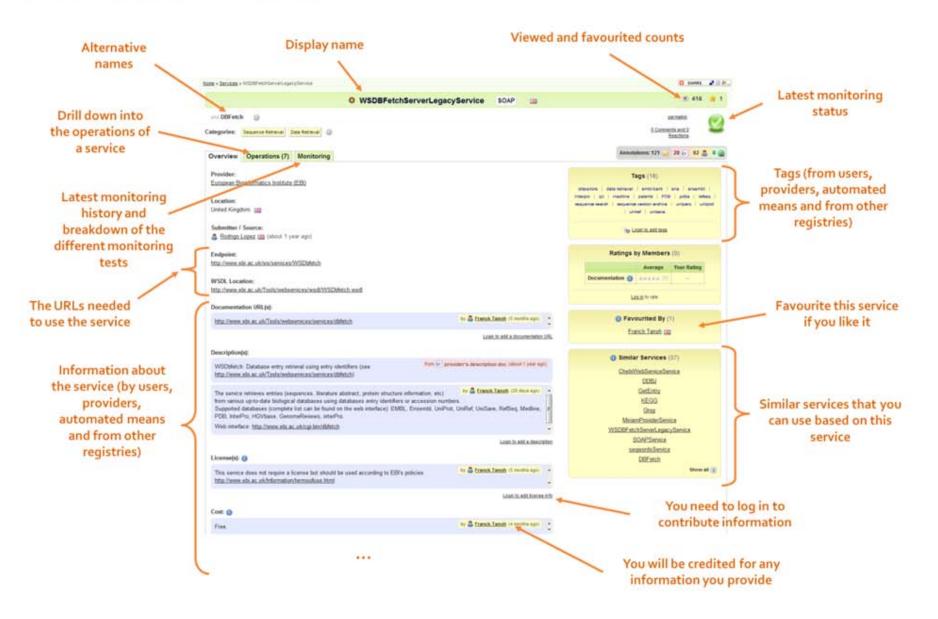


EdUnify - Services - ...

Microsoft PowerPoi...

View Full Details of a Service

Click on a service's title in the listings to view the full details of a service...



Check it out

https://demo.edunify.pesc.org



Join the Task Force Workgroups

Track our Progress

 Most important, look at the services you can offer that could be published and advertised