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Web Services and ongoing work at CDS

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Introduction

- **Web Services are available and supported at CDS**
 - **<http://cdsws.u-strasbg.fr>**
- **CDS effort is not just concentrated in Web Service providing but also in software development in this context**
- ...

General topics

- **Phase 1 : evaluation but real service and support provided**
 - **A Web Service dedicated server at CDS**
 - Bi-processor AMD MP 2000
 - Linux Mandrake 9
 - TOMCAT/Axis
 - **Available and Supported Web Services**
 - Simbad/VizieR (*Sesame*) Name Resolver
 - GLU Tag Resolver
 - ...
- **Phase 2 : material and Web Services evolutions depending on users need**

CDS Web Services Portal

- A quick overview

Ongoing work about Web Services

■ Software development - Protocol level

■ Creation of a tiny Java WS package

■ Goal

- Light Java libraries for Web Service use (like SAVOT (Simple Access to VOTable) in the VOTable area)

■ First step

■ Java SOAP Light library

- ▶ End of June : First test version
- ▶ End of August : 1.0 version

- Use Case example : communication between an Applet and a SOAP Server

- In a few words : soap parsing, basic but mandatory features

■ Future steps : light libraries in the Registry context ?

Ongoing work about Web Services (2)

- **Software development - Service level**
 - **GLU dictionary access**
 - **Aladin image server Access**

- **Some questions about the future WS**
 - **Which services do we implement ? In which case ?**
 - Real need and not just to provide a maximum number of WS
 - Concentrate support and evolution to the used WS

Conclusion

- Evaluate in a few months the real use of CDS Web Services
- New Web Services to define (in a pragmatic way, assessing which existing services will be useful and used as WS...)

Suggestions welcome

- <http://cdswebs.u-strasbg.fr>