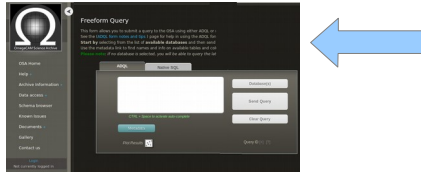
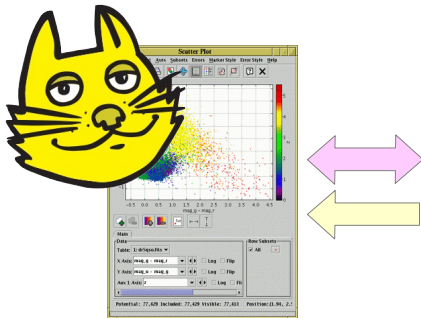


Client applications

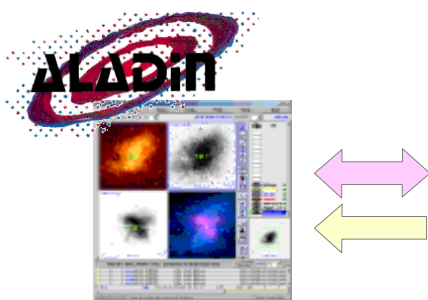
Web browser



TopCat



Aladin

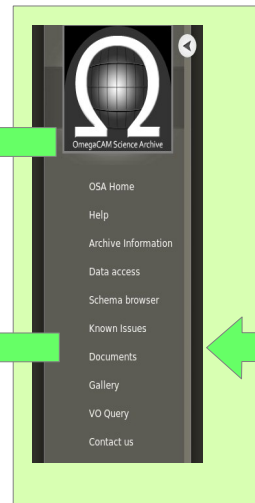
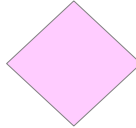


User interface

HTML



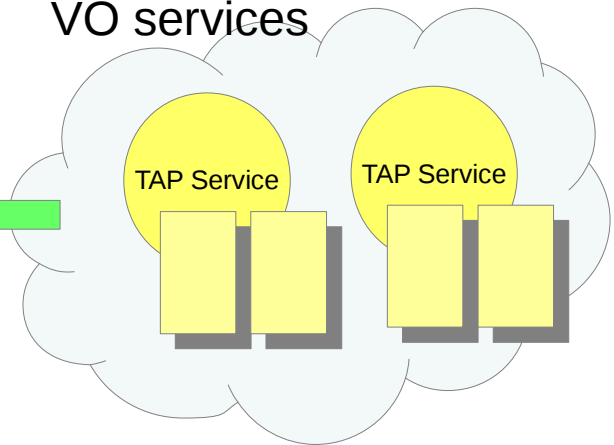
SAMP



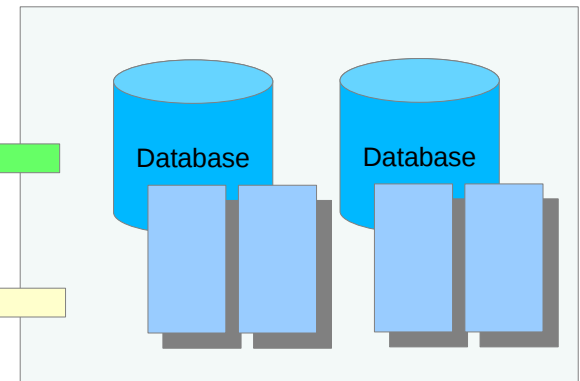
Firethorn

ADQL

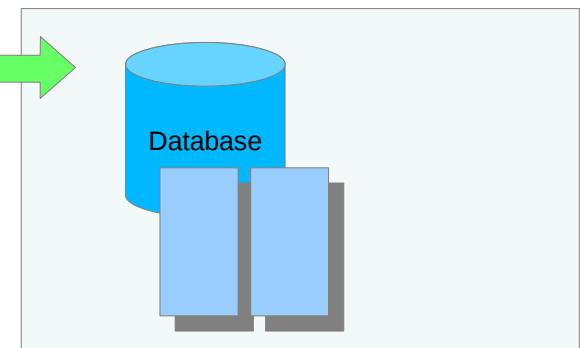
VO services



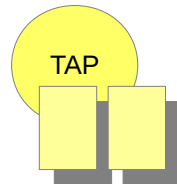
Local catalogs



Temp store

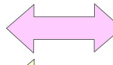
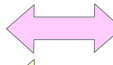
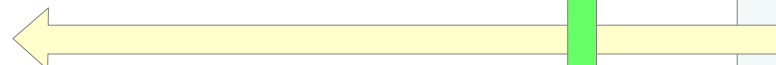
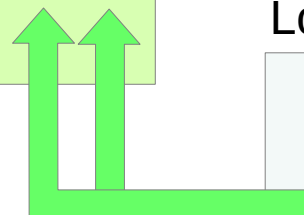
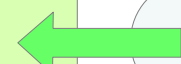
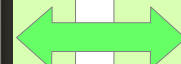


TAP-V1.0



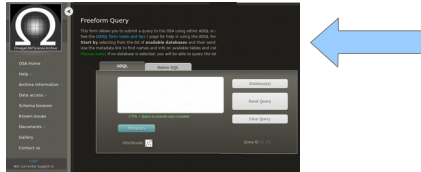
AstroGrid V1.0 services

1:1 mapping
one service per catalog

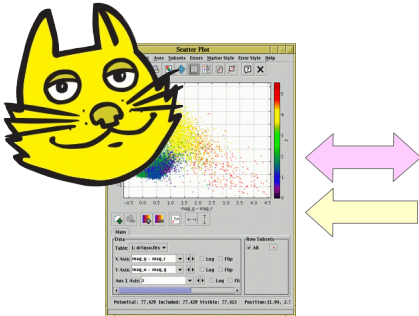


Client applications

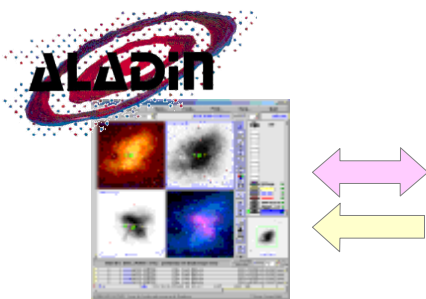
Web browser



TopCat



Aladin

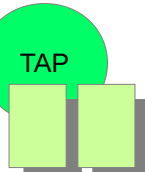
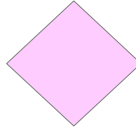


User interface

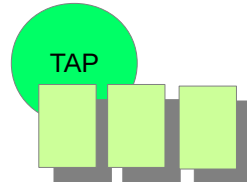
HTML



SAMP



TAP-V2.1



Flexible mapping
between services
and catalogs

Compute resources
for end user
data analysis

Firethorn

ADQL

VO services

TAP Service

TAP Service

Local catalogs

Database

Database

User data

Database

Database