



Wide Field Astronomy Unit (WFAU)

ADQL-2.1



'No rewrite' rule

Blocks some changes from being mandatory

Boolean data type requires query rewrite on some platforms

Modulo – not all platforms support operator

Bitwise – not all platforms support operator

Set operations – some platforms require query rewrite

Proposal – **YES** / no ?

That we explicitly state - features may be accepted as mandatory *even if* they require rewrite on some platforms.



Optional features

Updated text in ADQL-2.1 standard

Explicitly shows which features are optional - section 4

Shows how to register them - section 4.1 and appendix B

Proposal – **YES** / no ?

a) Accept the text describing optional features

b) Accept the format for stating the URI and name for each

Which features are optional is later ..



Acceptance criteria

Minimal criteria for an optional feature

More detailed criteria for a mandatory feature

Everyone has their favorite feature that should be mandatory

Acceptance criteria helps to ensure we don't add things that cause problems for others

Proposal – **YES** / no ?

That we should define *some* criteria for accepting optional and mandatory features

What the criteria are is later ..



Target platforms

List of database platforms that we support

A list - platforms that host important data

B list - other platforms that we want to support

Support matrix of which platforms support which features
- guidance for new deployments (e.g. “use PostgreSQL”)

Proposal – **YES** / no ?

That we should include a list of the target platforms

That we should create the support matrix

***Which platforms are on the list is for later ..
What we use the list for is later ..***



Target platforms

A list - platforms that host important data

- PostgreSQL
- MySQL/MariaDB
- SQLServer
- Oracle

- Sybase
- Informix
- SQLite
- HyperSQL
- Derby

Need to avoid having too many

Need to avoid having too few

Send suggestions / corrections in email ...

***If you want your DB to be on the list,
volunteer as a tester.***



Target platforms

B list - other platforms that we want to support

Send suggestions in email ...

Interested to hear from people using
'alternative' platforms

What do we need to support BigData ?

***If you want your DB to be on the list,
volunteer as a tester.***



Acceptance criteria ... things to bear in mind

- Making something optional slows the adoption
e.g. IN_UNIT()
- Having too many optional features makes it confusing

- Having too many mandatory features limits adoption
- Installing extensions excludes non-technical users
e.g, INTERSECT and LOWER
- Minimal TAP should be simple to deploy
e.g. LAMP and Tomcat



Acceptance criteria ... initial suggestions

- Clearly defined grammar
- Clearly defined behavior

- Implementable(*) on target platforms
e.g. UNION, EXCEPT, INTERSECT and WITH

- Two independent implementations
e.g. IN_UNIT()



Acceptance criteria

What does 'implementable' mean ?

- When is it ok to rely on extensions ?
 - pgsphere – yes, but not mandatory
 - lower and upper ?
- Does an implementation need to be 'efficient' ?
 - How do we decide what is good enough?
- How do we manage the list of platforms ?
- Do old ones get removed ?
- Do we specify versions ?



Optional features

If you had to choose **one** ..

Which one do you think should be mandatory – and why ?

