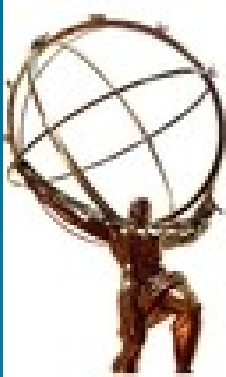


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# *Draft of TAG Browser*

## *Release 10.0*

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# I. Atl Interface

<http://atlas-coolbrowser.web.cern.ch>

Diff

Create

Name

Set

Trace

Backtrace

Lock

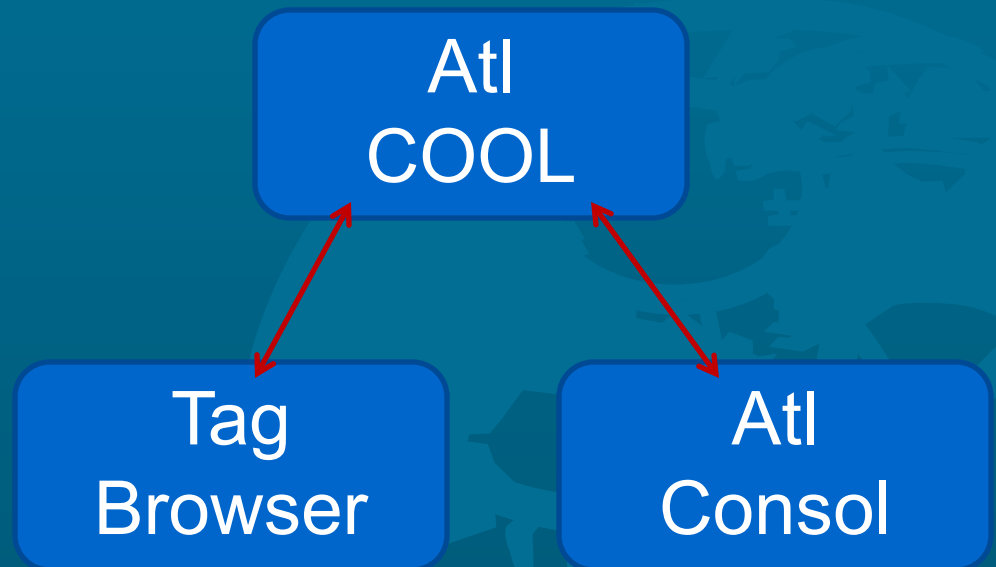
Unlock

Remove

Join

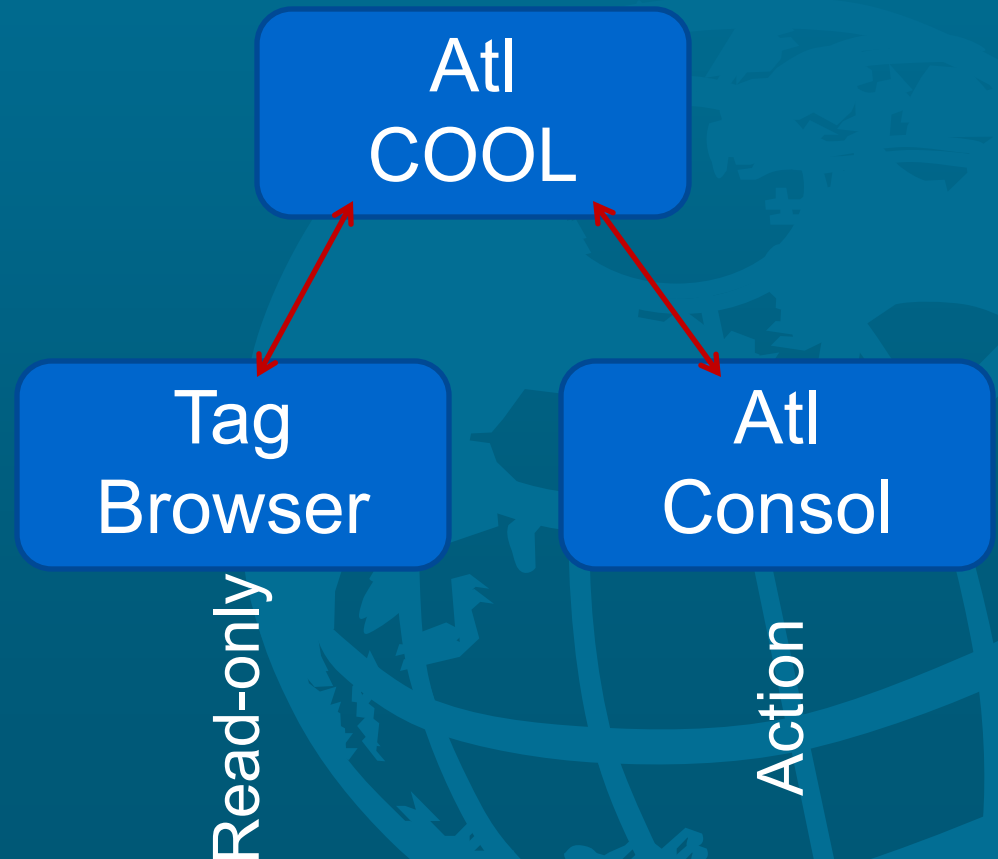
GlobalJoin

Checkdefs



# I. Atl Interface

- 1) Make Atl interface *bi-directional*.  
All commands then will be integrated into browser
- 2) Split Read-only/Action interface. Splitting functionalities between Browser and Atl Consol




# II. Payload Interpretation

Analyzing and plotting data of various parameters from payloads for range of Run\_Number and LumiBlock\_Numbers

- 1) Investigate type of payloads and find out ways of their interpretation
- 2) Modify CherryPy for caching of payloads
- 3) Modify GUI



# II. Payload Interpretation

TAG Channels: 

Timespan	now
Schema	ATLAS_COOLOFL_INDET
Database	COMP200
Folder	Indet/Beampos
Tag	IndetBeampos-ES1-UPD2-01
Since	1310928729000000000
Until	1310928729000000000

CHANNEL:	<input type="text"/>
SELECT TYPE:	RUN_LB <input type="text"/>
RUN:	<input type="text"/> <input type="text"/>
LB:	<input type="text"/> <input type="text"/>
<input type="button" value="Submit"/>	

range

Message: No Folder channel list

Payload

Channel: 0	
Insertion:	Wed, 06 Apr 2011 08:44:04 GMT
status:	<input type="button" value="Plot"/>
posX:	<input type="button" value="Plot"/>
posY:	<input type="button" value="Plot"/>
posZ:	<input type="button" value="Plot"/>
sigmaX:	<input type="button" value="Plot"/>
sigmaY:	<input type="button" value="Plot"/>
sigmaZ:	<input type="button" value="Plot"/>
tiltX:	<input type="button" value="Plot"/>
tiltY:	<input type="button" value="Plot"/>
sigmaXY:	<input type="button" value="Plot"/>
posXErr:	<input type="button" value="Plot"/>
posYErr:	<input type="button" value="Plot"/>
posZErr:	<input type="button" value="Plot"/>
sigmaXErr:	<input type="button" value="Plot"/>
sigmaYErr:	<input type="button" value="Plot"/>

Plot



# III. Useful Functionality

- 1) Add browsing snapshots in the form of dynamically modifying URL's
- 2) Retrieve update history for tag
- 3) Add folder payload description



# Conclusions

Development of tag Browser R10.0 will be forced in directions as follow:

- 1) Adding just read-only interface
- 2) Payloads interpretation and plotting
- 3) Adding useful functionalities
- 4) Modifying of GUI

