

How does portal relate to framework?

Portal:

- MyProxy**
- Job manager**
 - job monitor (portal)
 - launch executable (portal)
 - batch management
- Data manager**
- Event Channel**
 - publish
 - subscribe
- Event viewer**

Does it look like one of these?



Framework:

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How does portal relate to Driver Script? – Fast MHD

Which is launched as top level executable?

Running on Jaguar?

Running on Jaguar head node or CSWIM home (eg MHD or IU)?

Portal

MyProxy

Job manager
job monitor (portal)
launch executable (portal)
batch management

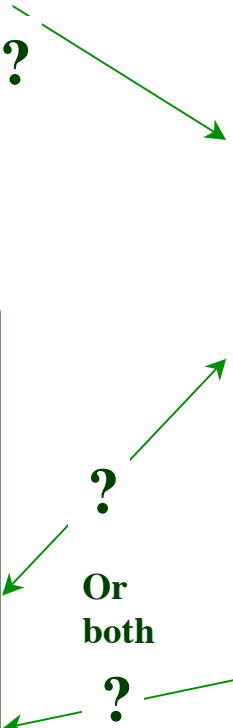
Data manager

Event Channel
publish
subscribe

Event viewer

Driver script (running on head node)

initializing, moving, and updating simulation files
physics logic for stepping components
component error handling
approving time step



↔ **RF Component (MPI job)**

↔ **Fokker Planck (MPI job)**

↔ **Advance adiabatic profiles (serial job)**

↔ **...**

Plasma State Component



How does portal relate to Driver Script? – Fast MHD

Or is portal part of driver script?

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Portal

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Job manager
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Data manager

Event Channel
publish
subscribe

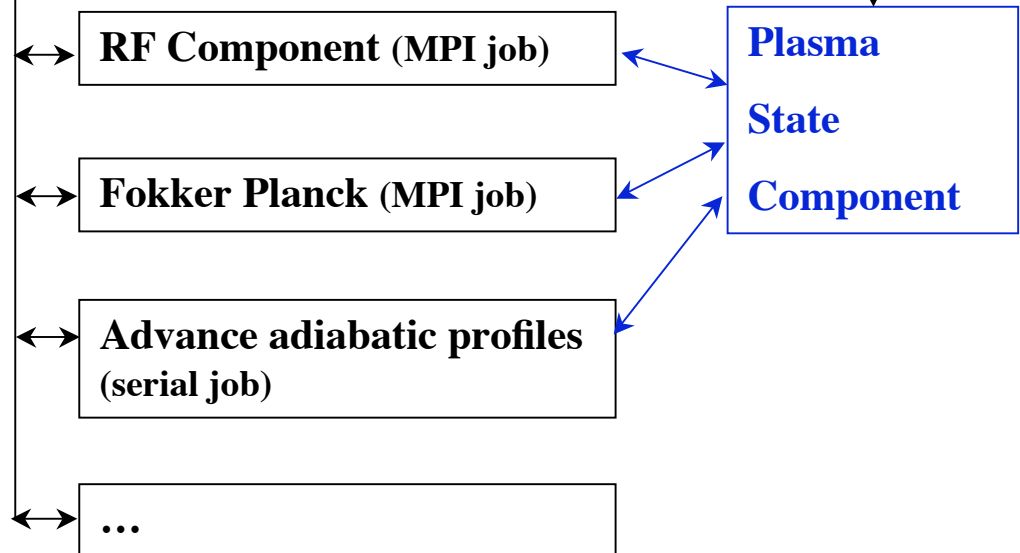
Event viewer

Driver script (running on head node)

initializing, moving, and updating simulation files
physics logic for stepping components
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Portal?

?



What interaction between framework? – Fast MHD

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