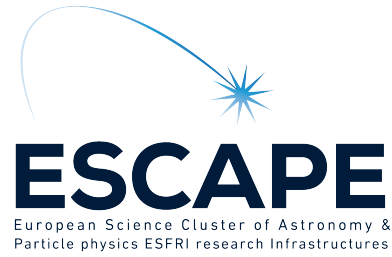




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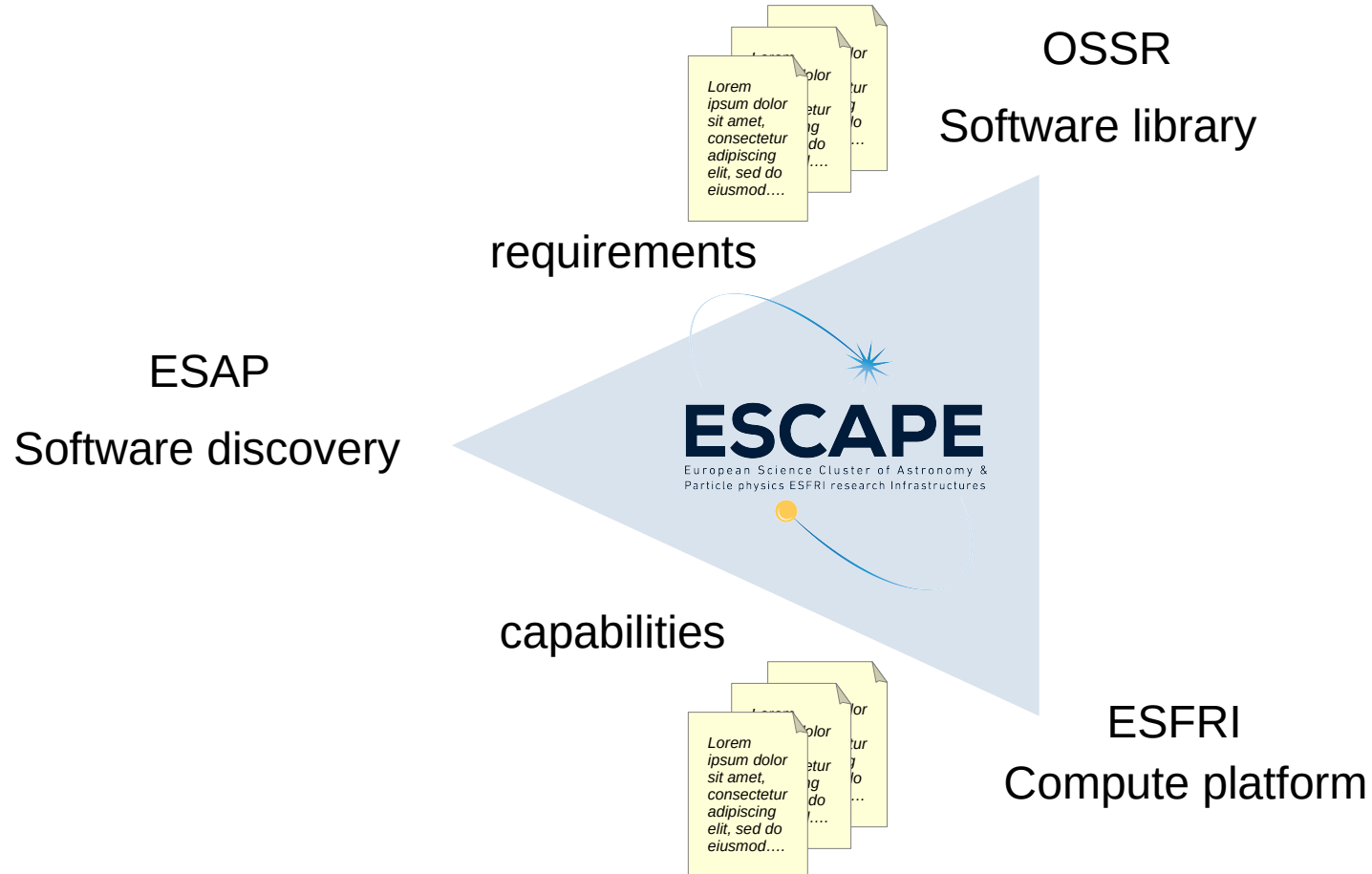


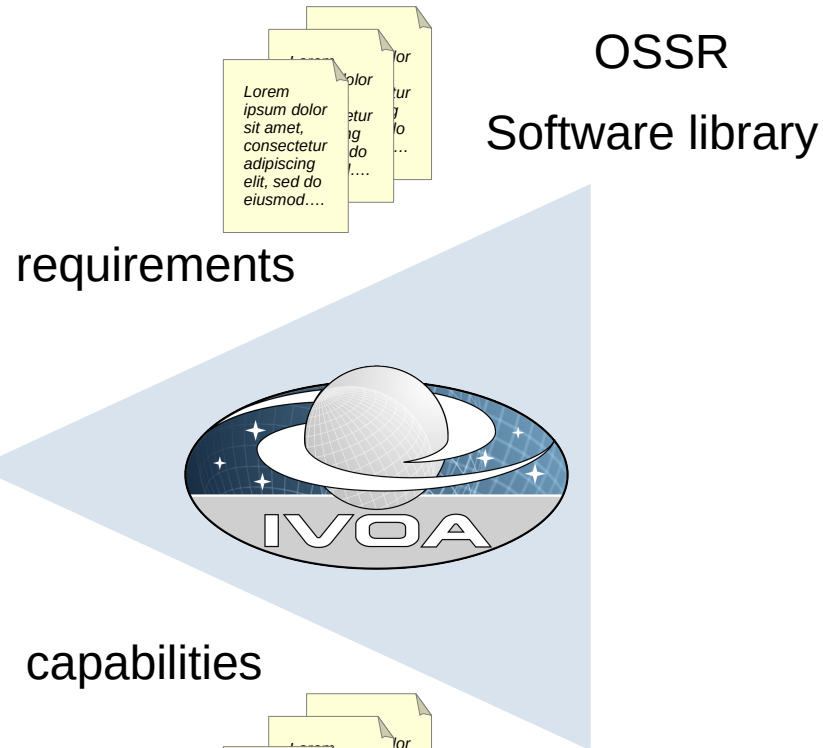
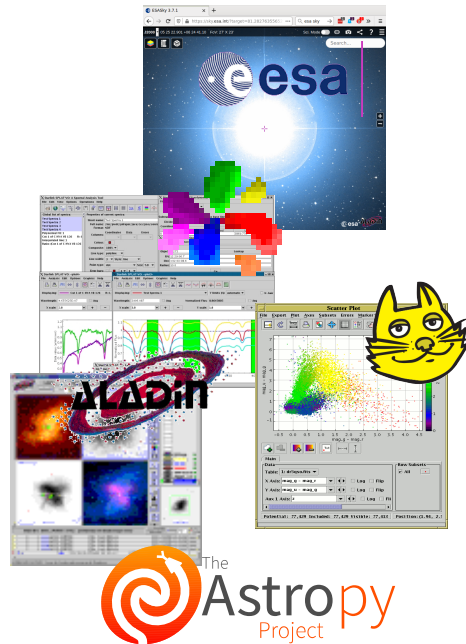
Software metadata in the IVOA

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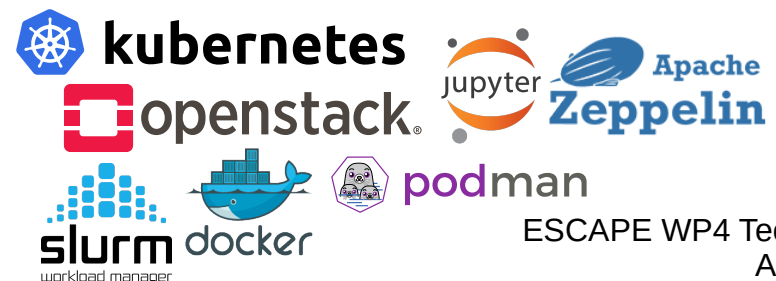


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Compute platform





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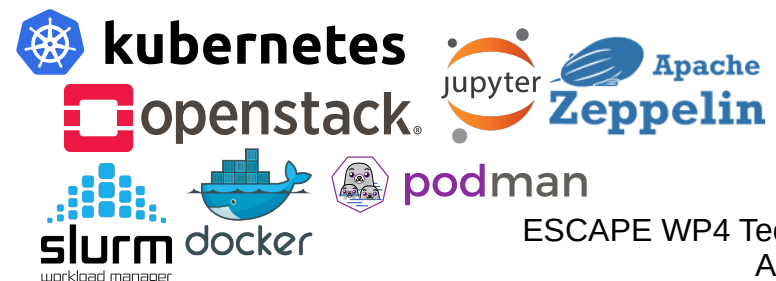
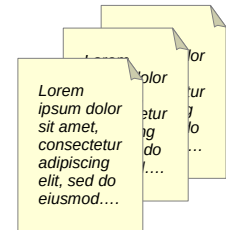
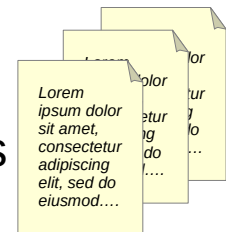
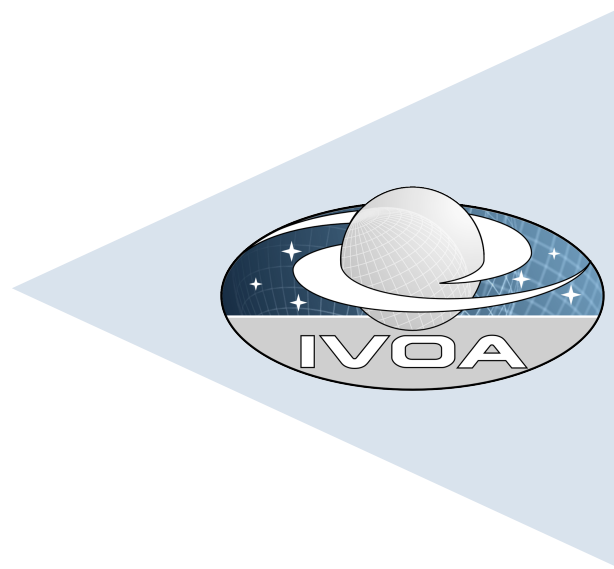
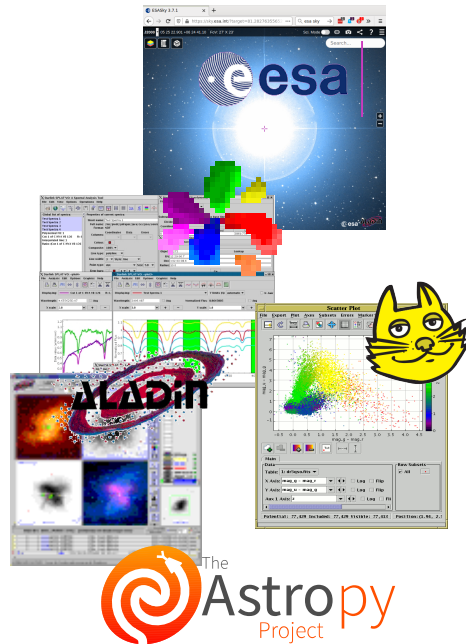
OSSR

Software library

requirements

capabilities

Compute platform



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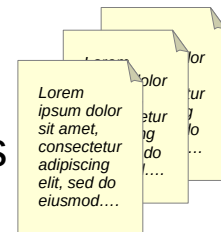
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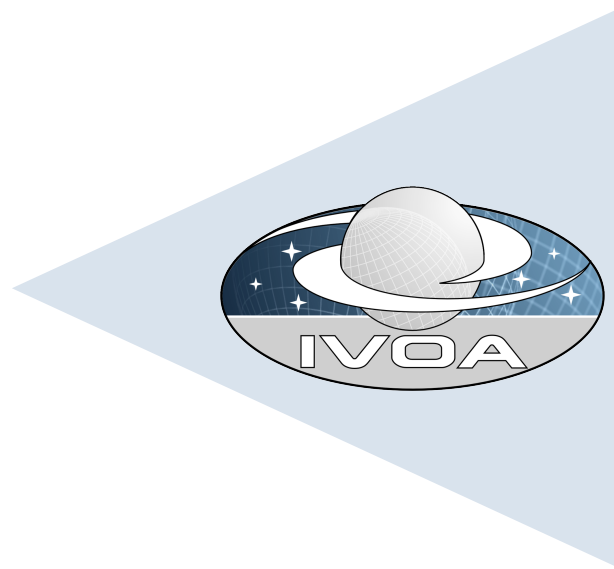
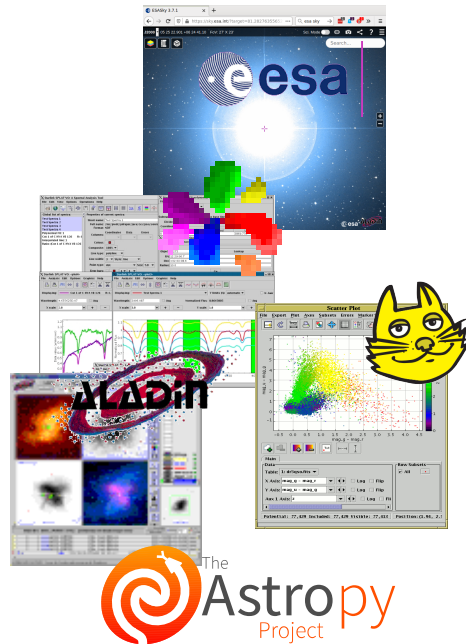
OSSR

Software library

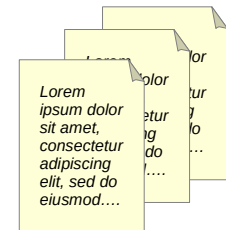
requirements



Can You Do This ?
yes/no/maybe



Compute platform



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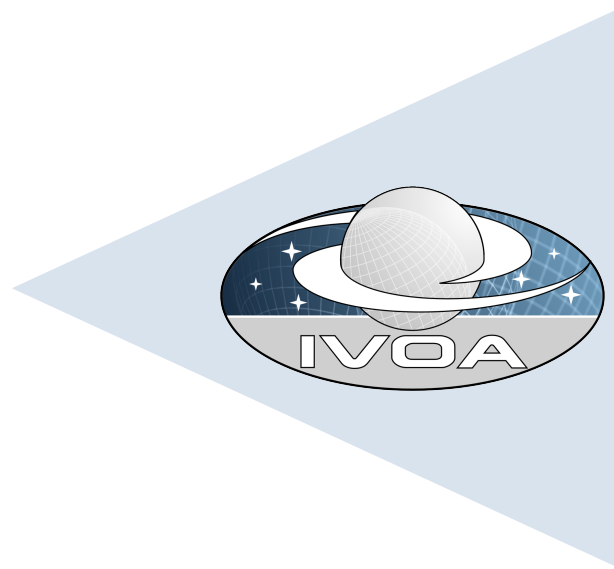
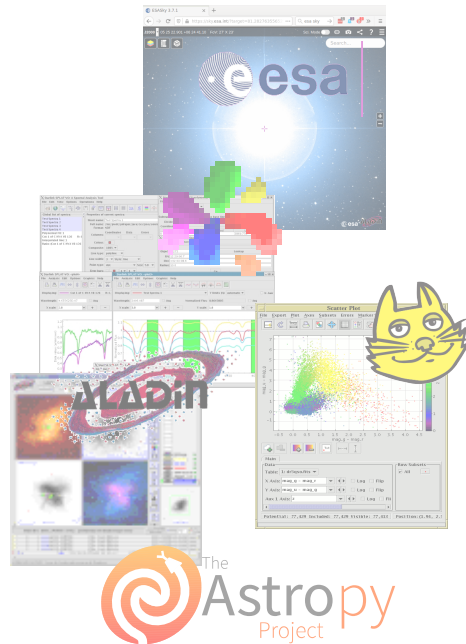
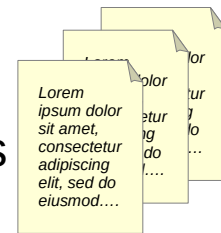
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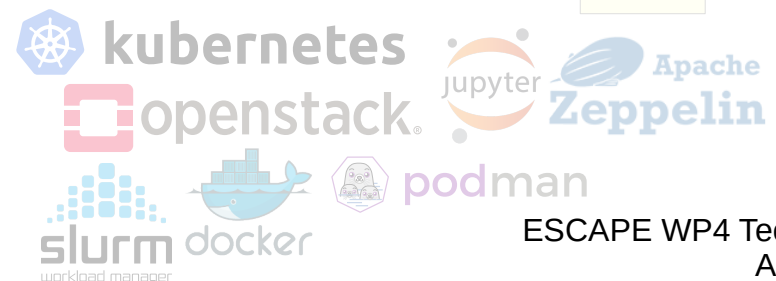
Software library

requirements



Can You Do This ?
yes/no/maybe

VO Compute Service



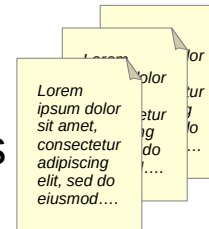
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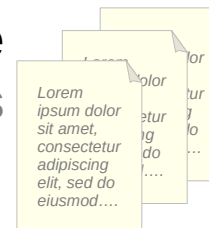
Task description
requirements



Can You Do This ?
yes/no/maybe

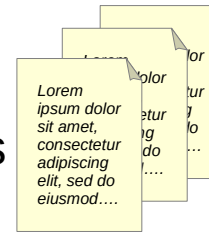


VO Compute Service
capabilities





Task description requirements



Can You Do This ?

No

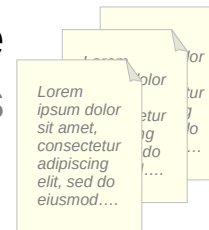
Compute service is not able to execute the task

Error code : 400 ...

Error message : I'm not a tea pot

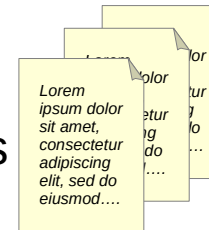


VO Compute Service capabilities





Task description
requirements



Can You Do This ?

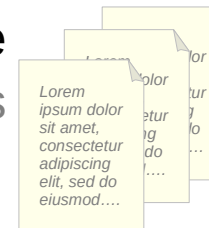
No - unknown

Compute service was unable to read the requirements
Compute service does not understand the requirements

Error code : 400, 500 ...
Error message : What !?

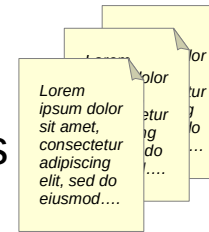


VO Compute Service
capabilities





Task description
requirements



Can You Do This ?
Yes - automatic

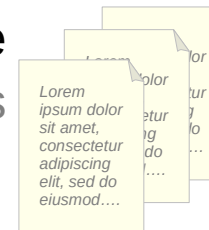
Compute service understands the requirements
and is able to execute the task automatically

Service type : TAP/UWS/SLURM

Service endpoint : <http://example.org/webservice>

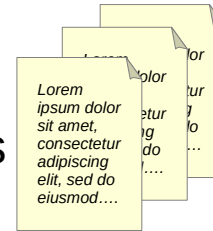


VO Compute Service
capabilities





Task description
requirements



Can You Do This ?

Yes - manual

Compute service understands the requirements
Requires manual intervention to execute the task

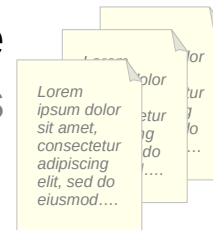
Service type : Jupyter/Zeppelin....

Service endpoint : <http://example.org/webservice>

Manual steps :

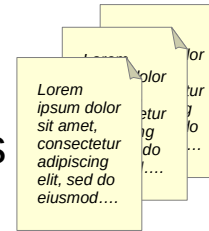


VO Compute Service
capabilities





Task description
requirements



Can You Do This ?
Maybe - changes

Compute service understands the requirements
Requires changes to the task

Service type :

Service endpoint : <http://example.org/webservice>

Changes required :



VO Compute Service
capabilities

