

Clouds and CANFAR Processing

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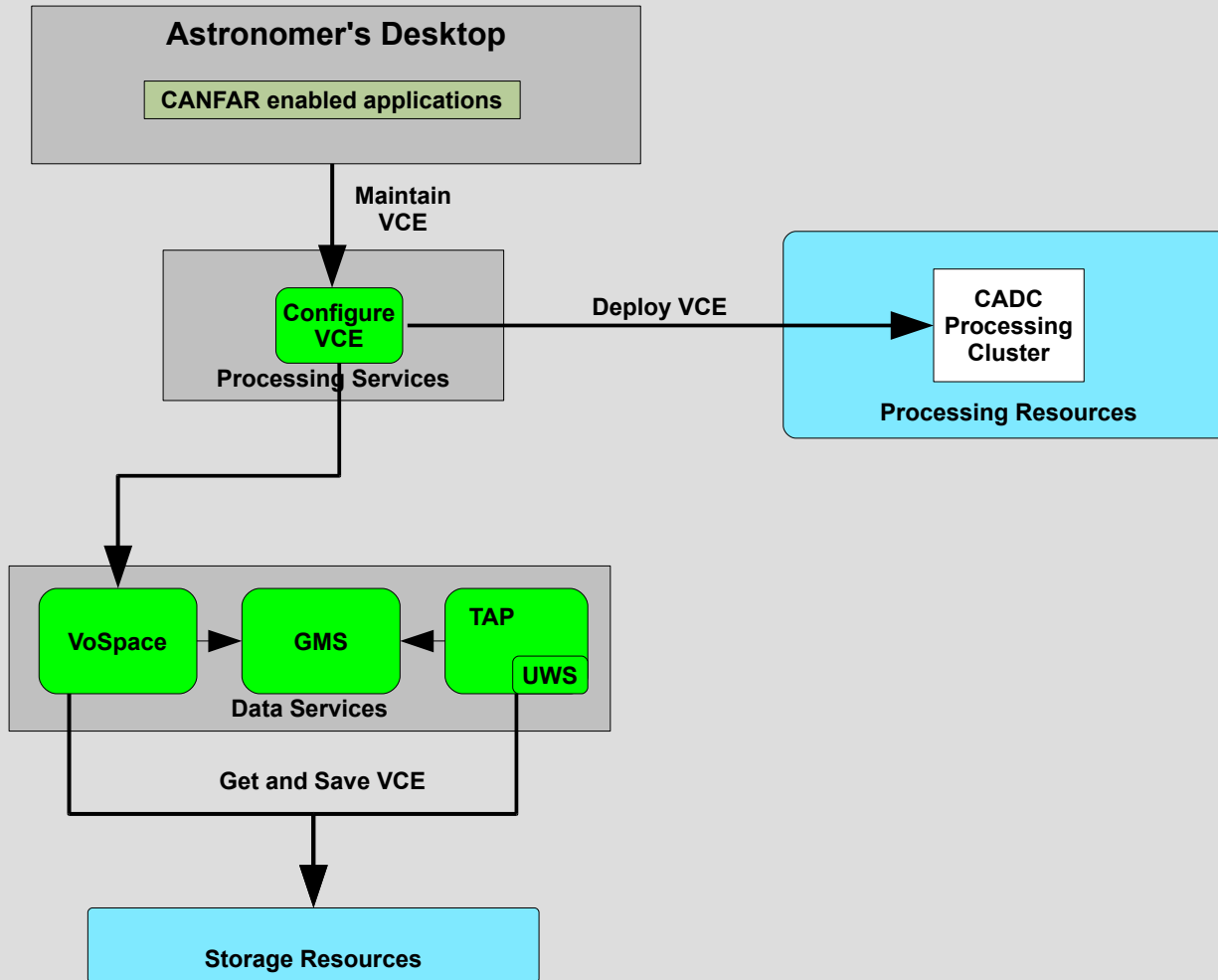


MACHO – An Example

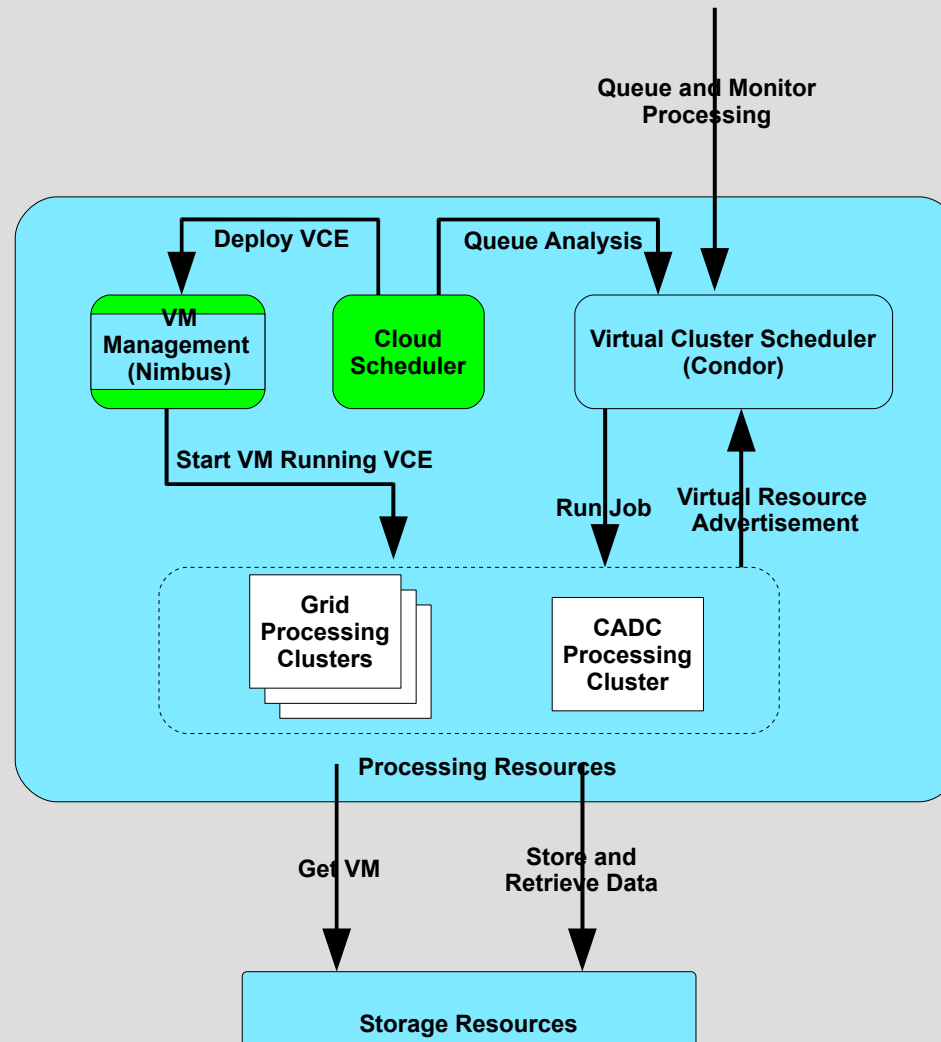
MACHO	Total	Average per pointing
Number of observations	121,030	665
Number of CCD frames	1,936,480	10,640
Number of files handled	10,287,550	33,915
Size of files handled (GB)	25,837	79
Processing time (days on single core)	13,660	75
AllStar		
Number of tasks	1,936,480	10,640
Minutes per task	10	10
Processing time (days on single core)	13,448	73.9
Number of input files	242,060	1,330
Size of input files (GB)	7,564	42
Number of output files	3,872,960	21,280
Size of output files (GB)	3,873	21
AllFrame		
Number of tasks	182	1
Minutes per task	1,680	1,680
Processing time (days on single core)	212	1.2
Number of input files	4,115,020	22,610
Size of input files (GB)	11,437	63
Number of output files	2,057,510	11,305
Size of output files (GB)	2,963	16

- Virtual Machine Configuration
- AllStar batch job execution
 - input retrieval from data centre
 - AllStar output storage to VOSpace
- AllFrame batch job execution
 - input retrieval from VOSpace
 - output storage to VOSpace

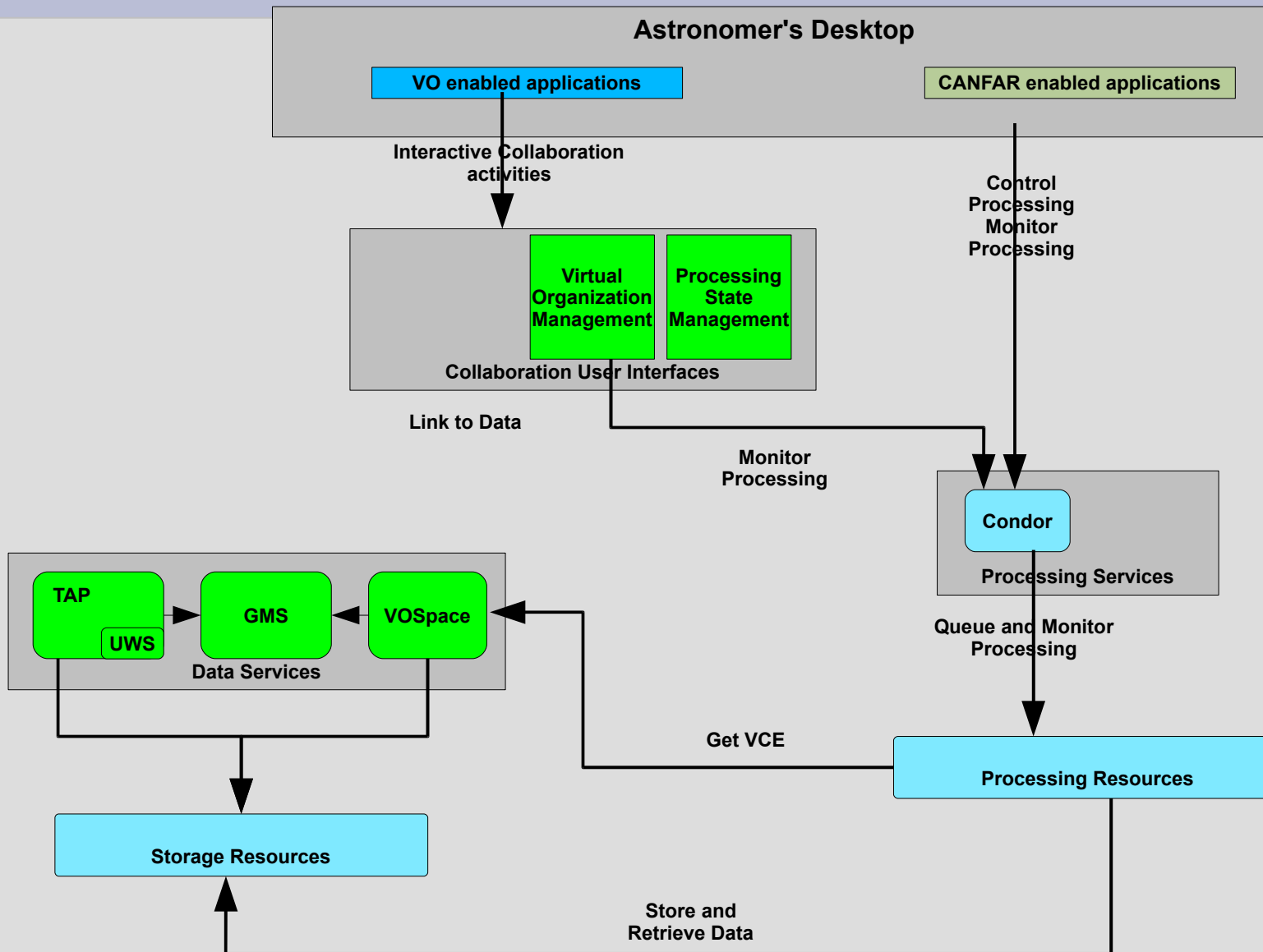
Virtual Machine Configuration



Batch Job Execution – Detail



Batch Job Execution



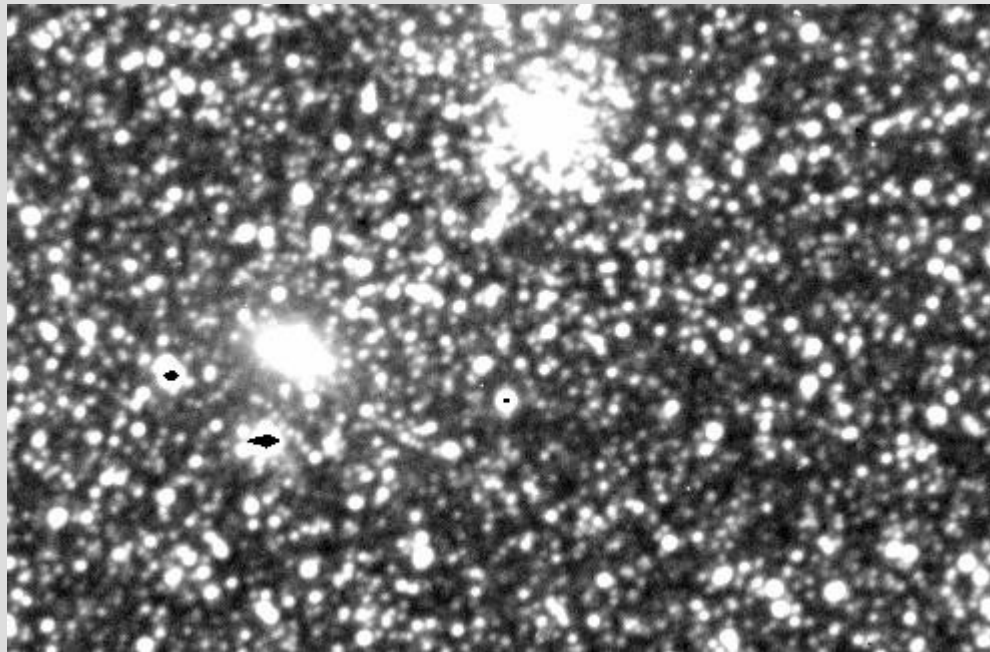
CANFAR

Canadian Advanced Network for Astronomical Research

Existing Grid Installations



Questions?



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