

Interactive Computing E-Infrastructure  
Public Information Event



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R&D topic: Swift over Lustre

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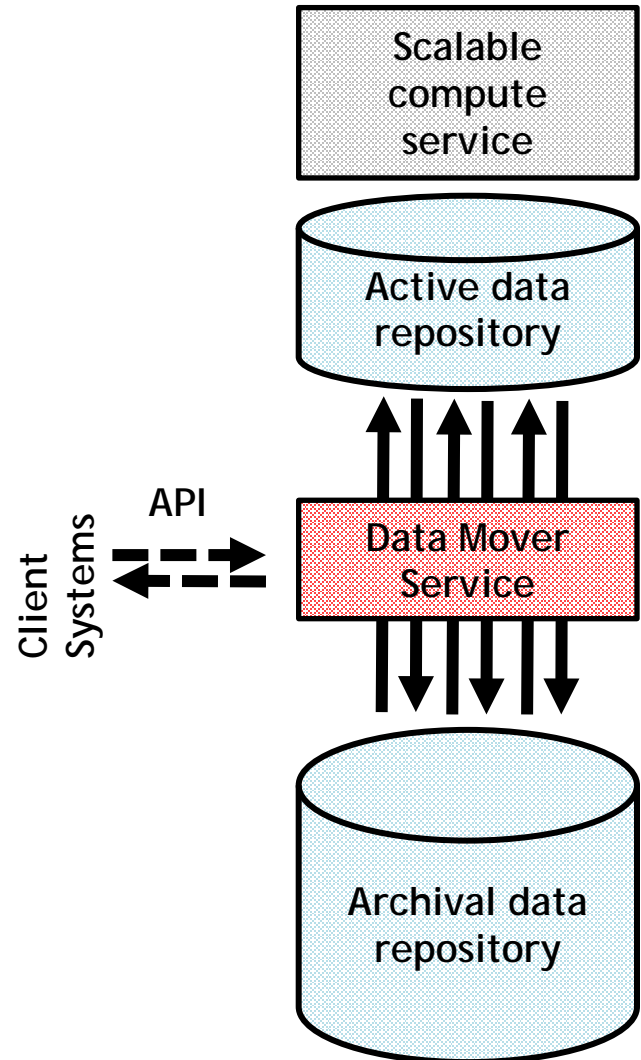
# Disclaimer

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*Neither this announcement nor the event itself signifies the beginning of a procurement procedure or constitutes a commitment by the public procurers involved in the presentation to undertake such exercise at a later stage*

# Background

- Fenix offers archival and active storage
- Both can be based on parallel FS but should offer “object like” interface
- ICEI choice is to use Swift
- Lustre is used @ CEA
- There is no Lustre optimized Swift interface



# Expected outcome

## 1. Best practice report

1. How to implement openstack/swift over Lustre
2. How to map swift mechanism over Lustre features

## 2. Lustre integration in swift

1. Implement Lustre integration in Openstack
2. Develop a “Lustre backup driver” for Swift

## 3. Unify view between swift and Lustre

1. Swift segmentation
2. Swift versioning
3. Swift multi-region active-active replication

All results must be delivered to Swift/Lustre communities



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# Thank You

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