

# System for Vessel Shore Reporting

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# NGVTMS Lab



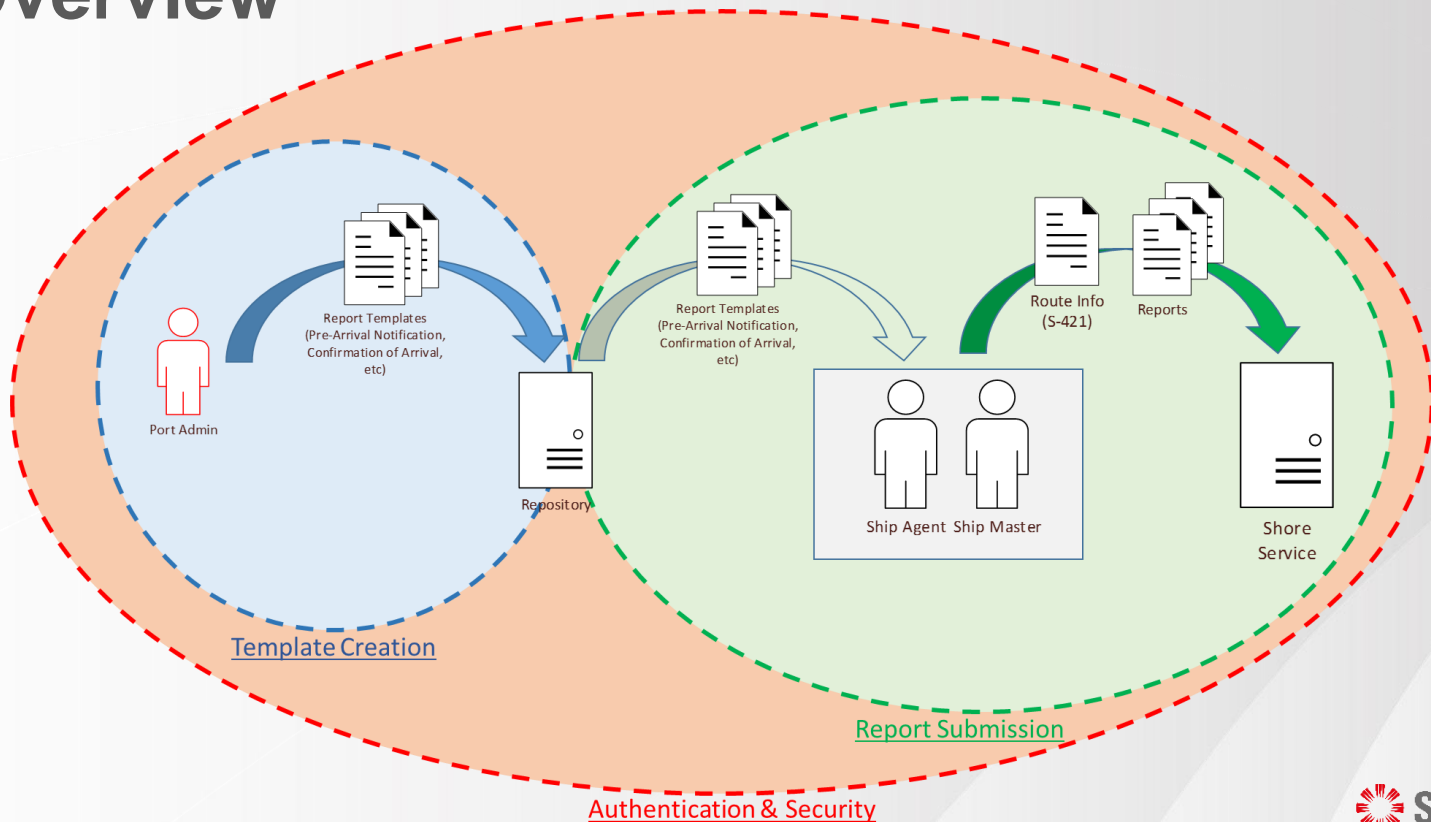
# Current Reporting Means

- Different communication platforms
- Lack of standardized reporting format
- Multiple parties involved

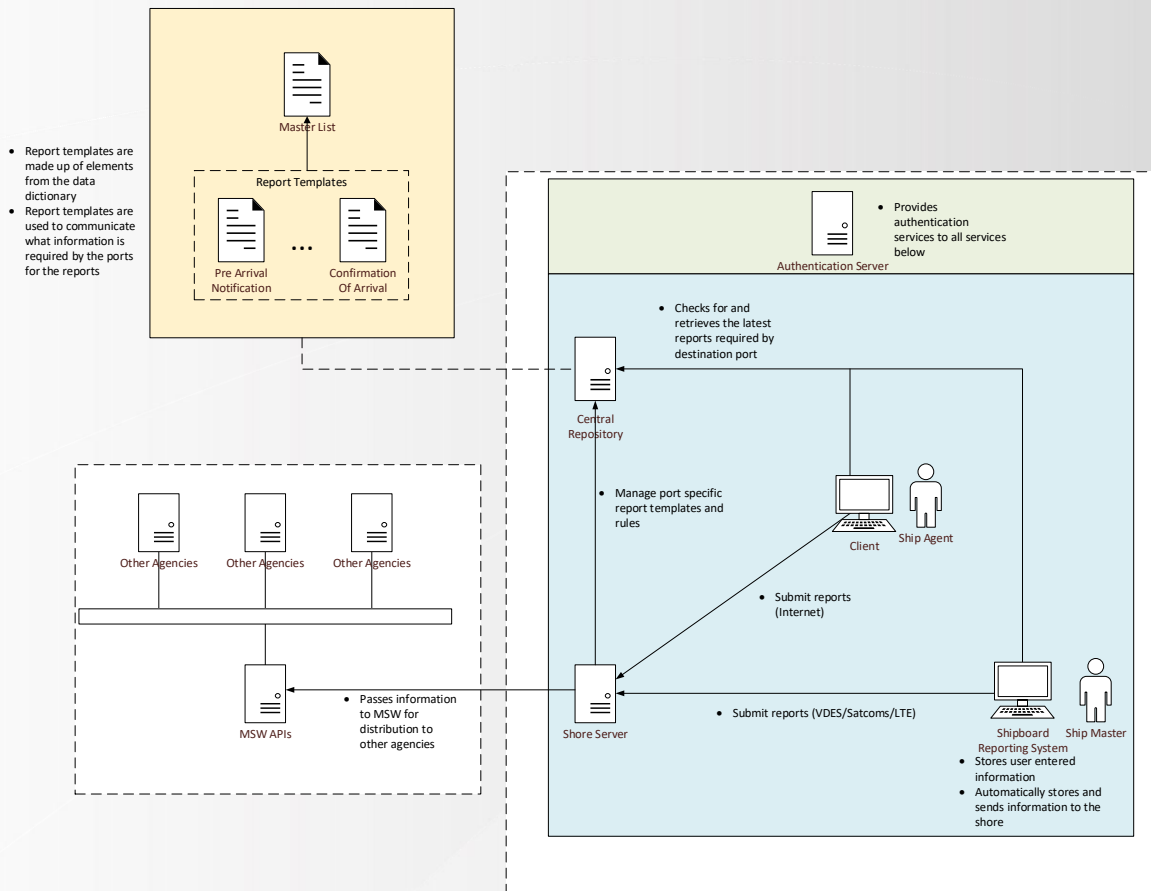
# Vessel Shore Reporting

- Allow shipboard and shore-based personnel to submit, generate and distribute required reports
- Retrieve information from shore-based sources
- Alert user which reports need to be submitted and to whom
- Fulfil the exact requirements of each and every shore-based authority
- Generation of reports in the proper time period automatically
- Authorization by master before submission

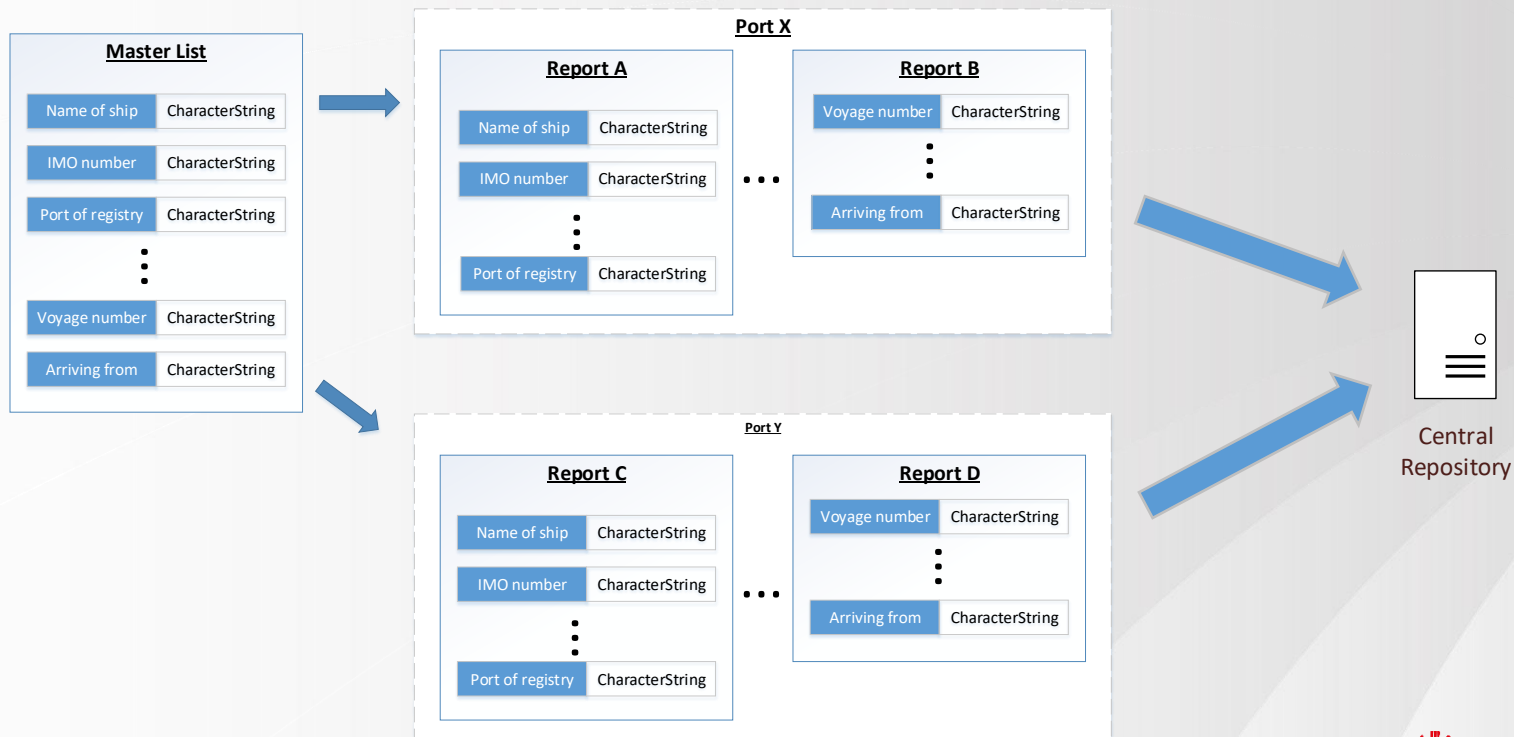
# Overview



# Architecture



# Master List & Report Template



# Rules

- Rules can be attached to reports
- Rules define when a report is to be submitted
  - X hours before ETA
  - Distance from port
  - Ship has moved into an area
- Rules define the type of vessel the report is applicable for
  - Ship type
  - Cargo type



# Initiating A Port Call



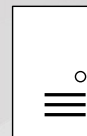
User

User submits Port Call  
Initialization information:

- Destination port
- Ship details
- hash of report templates (optional)

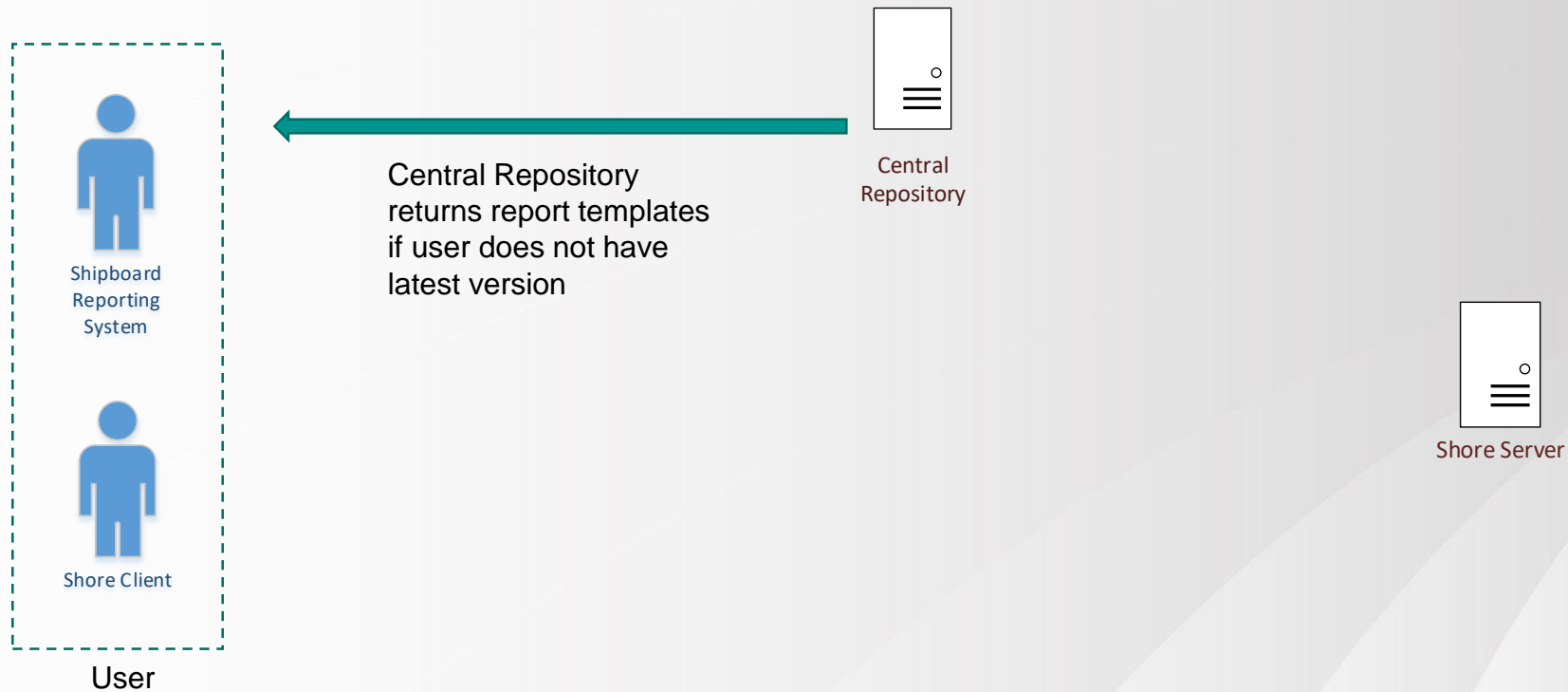


Central  
Repository

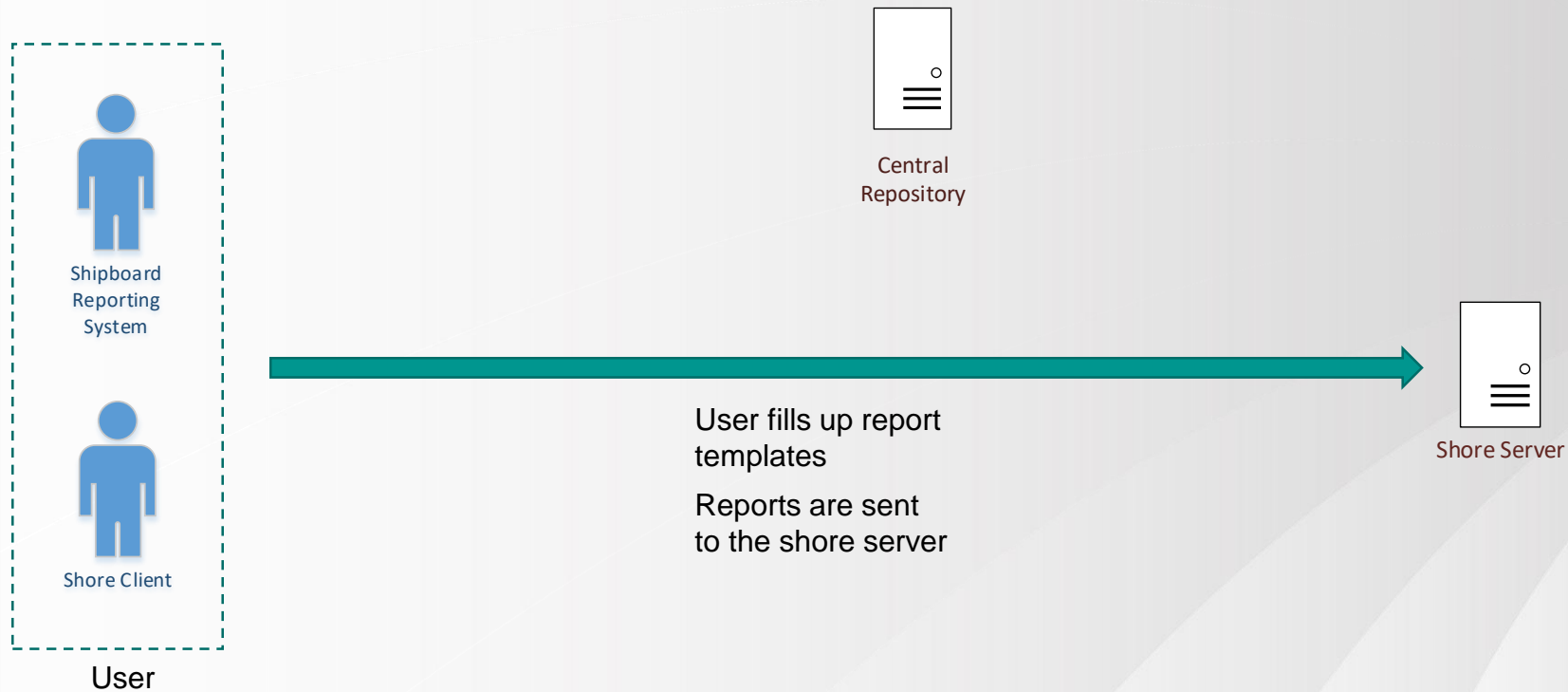


Shore Server

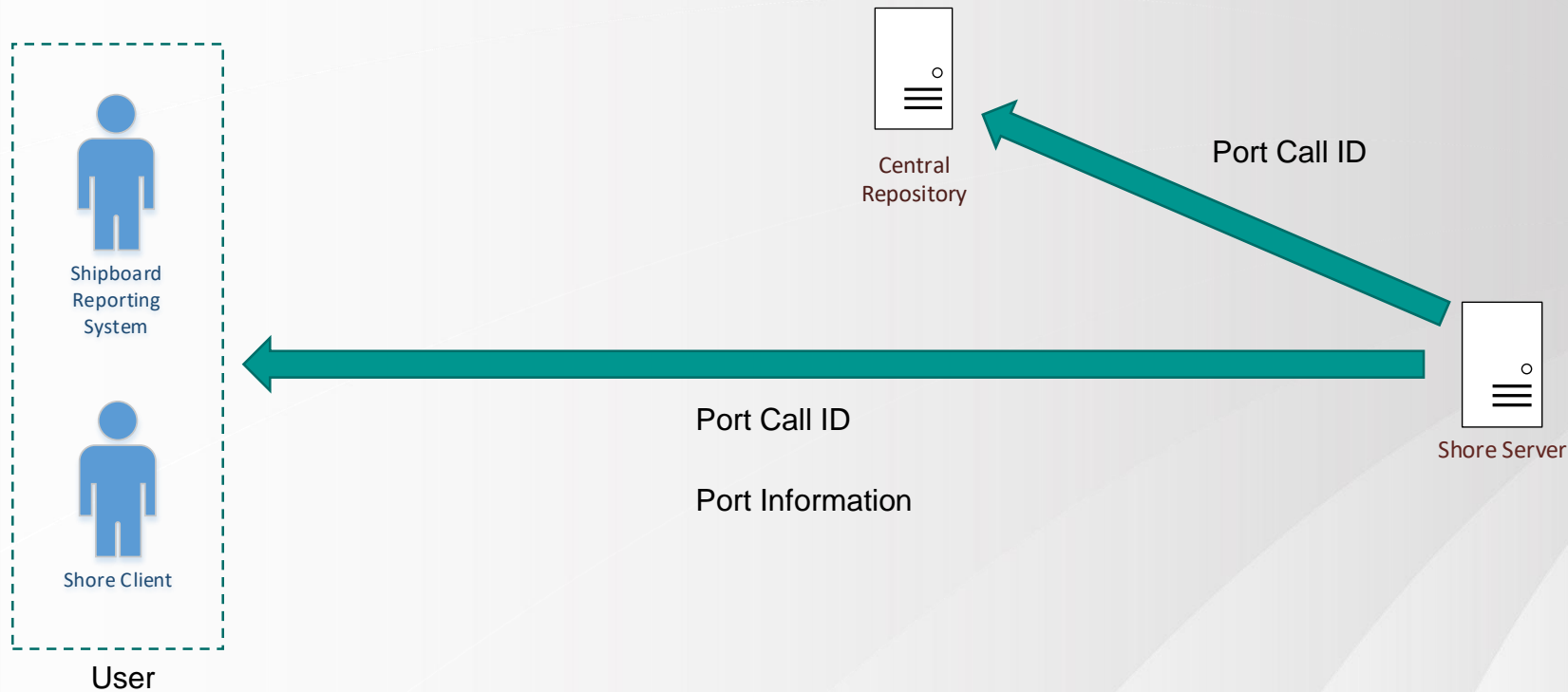
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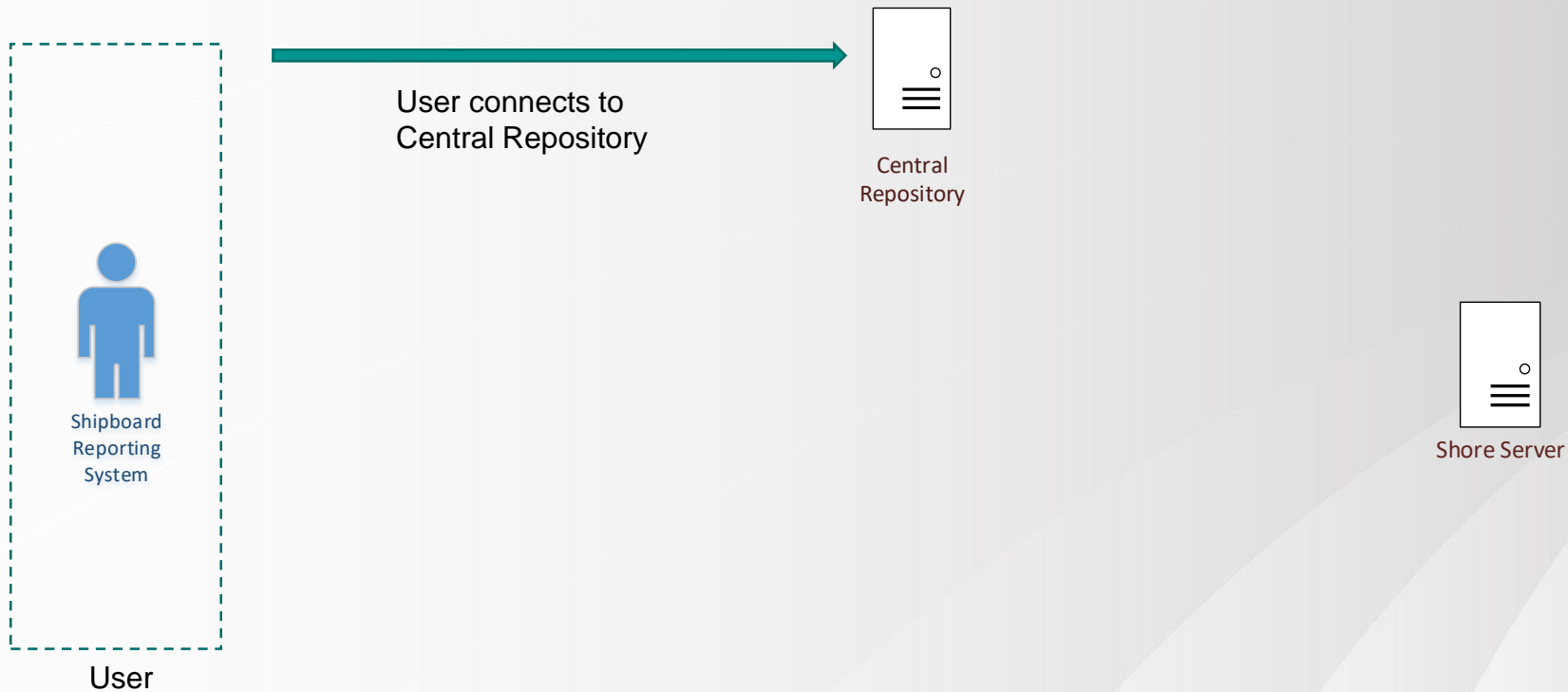
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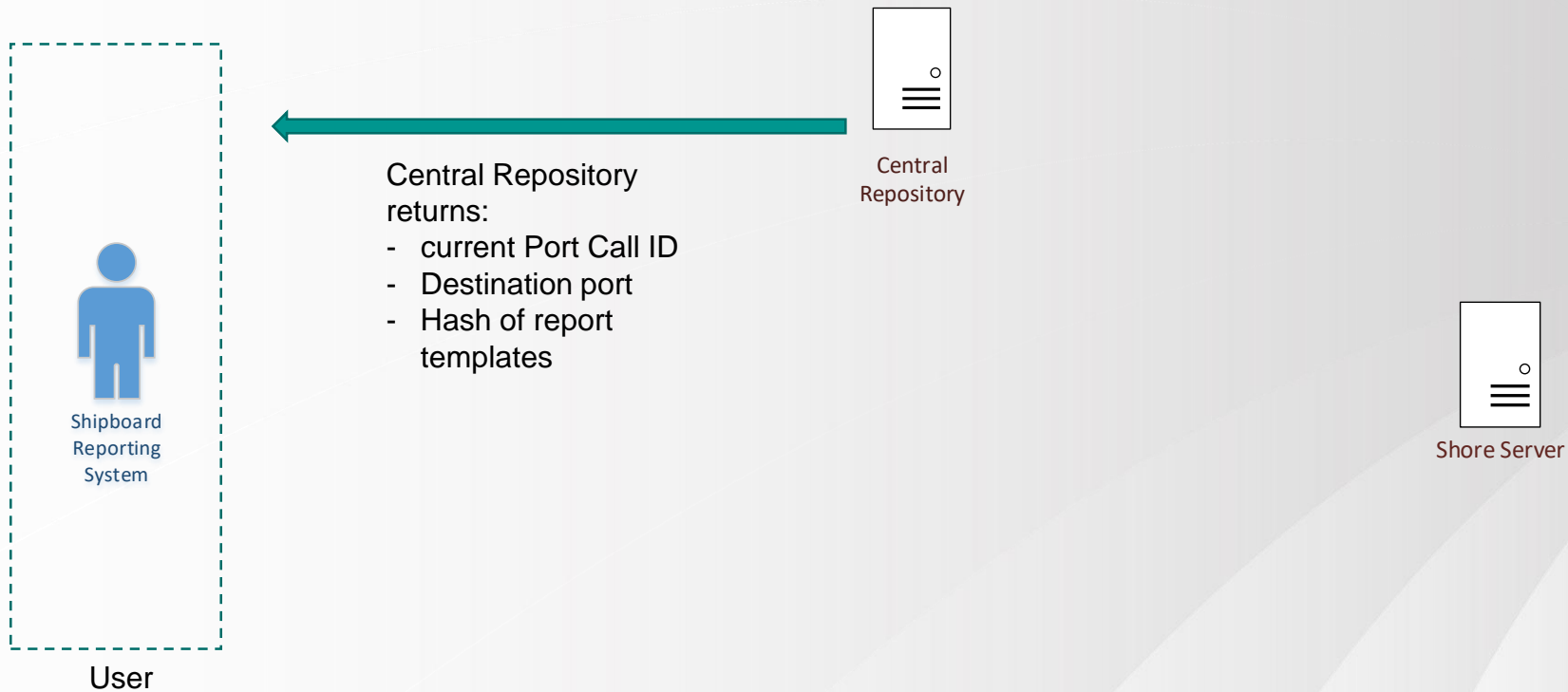
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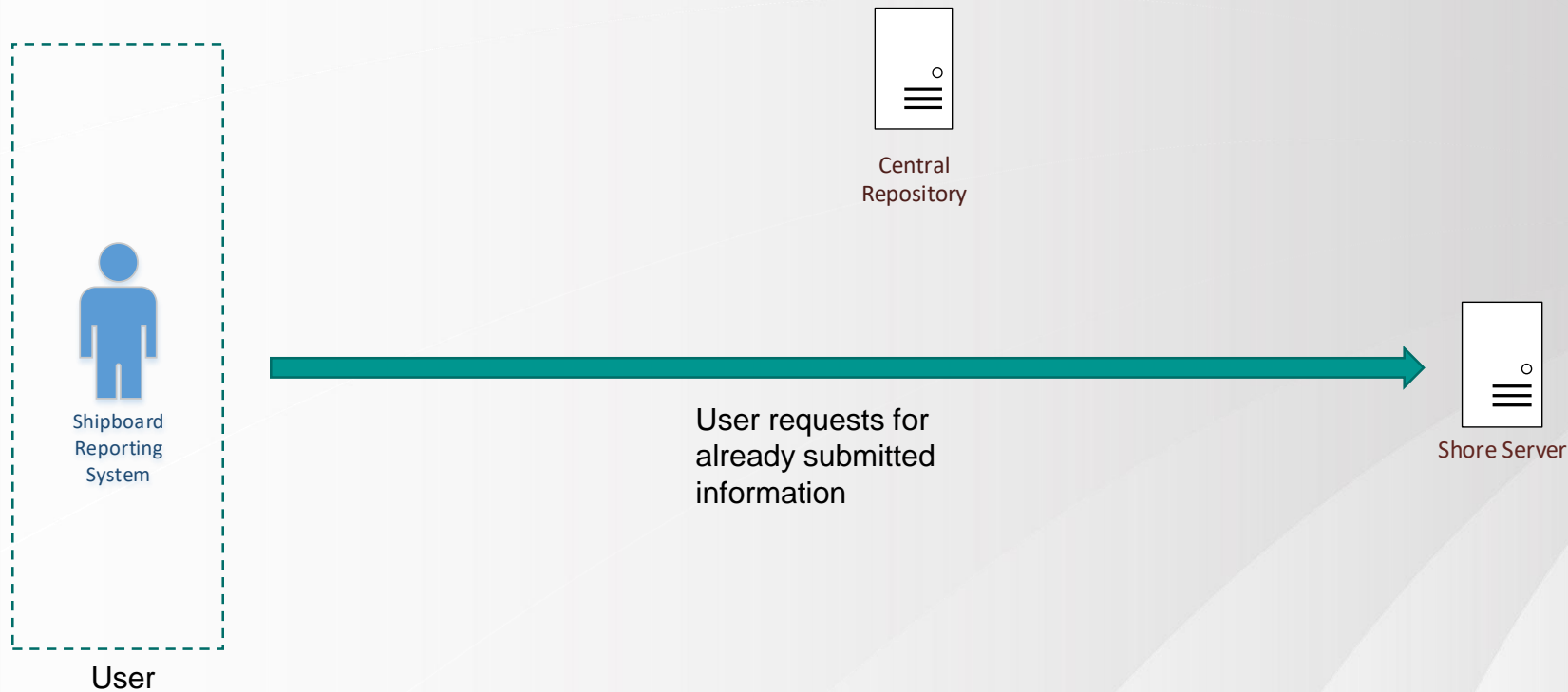
# Subsequent reporting



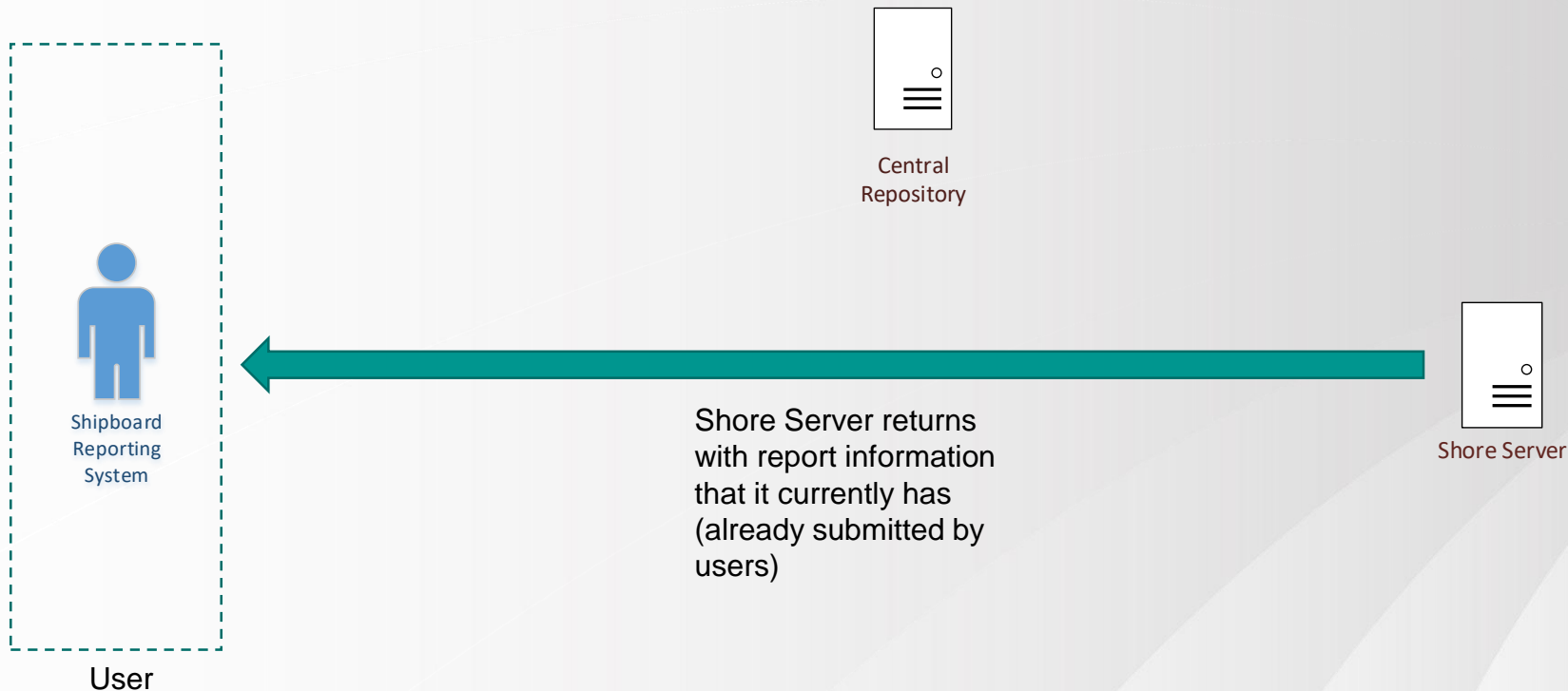
# Subsequent reporting



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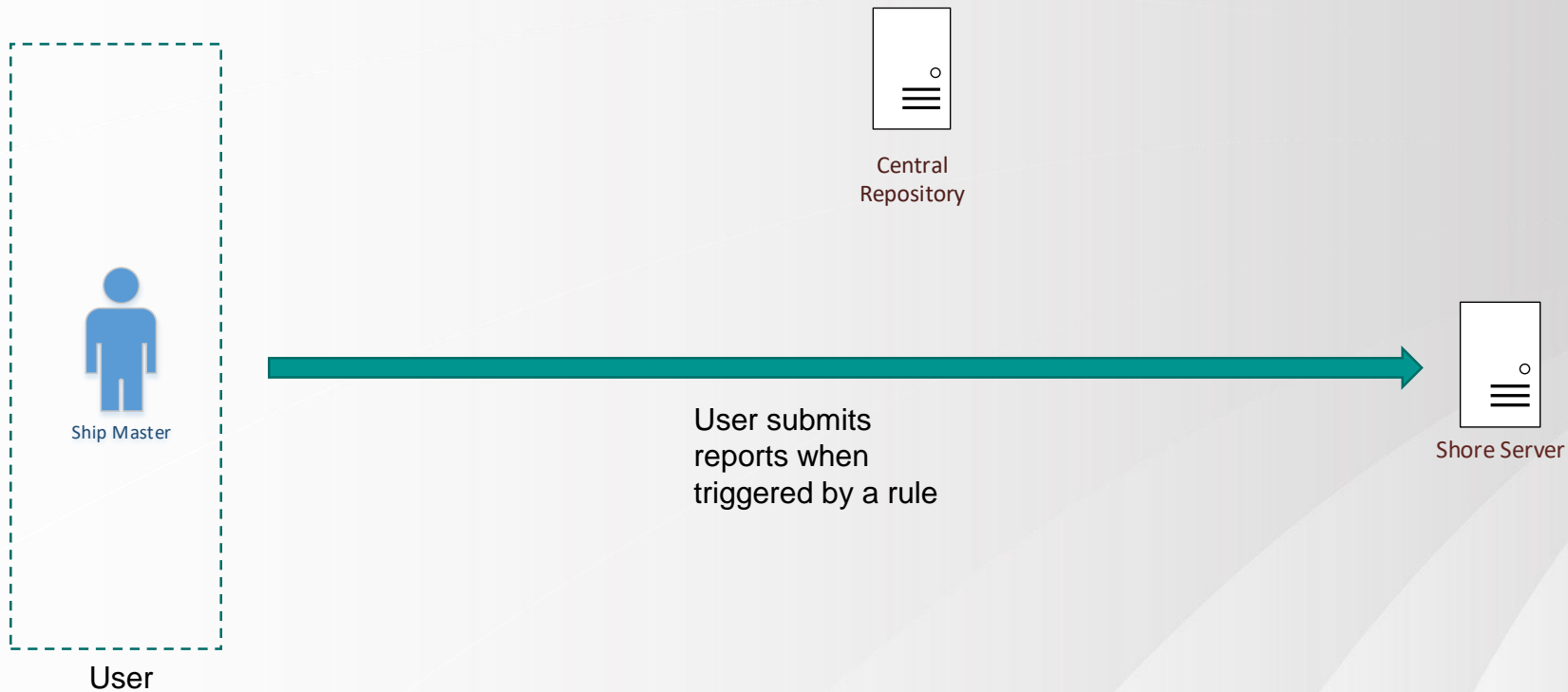


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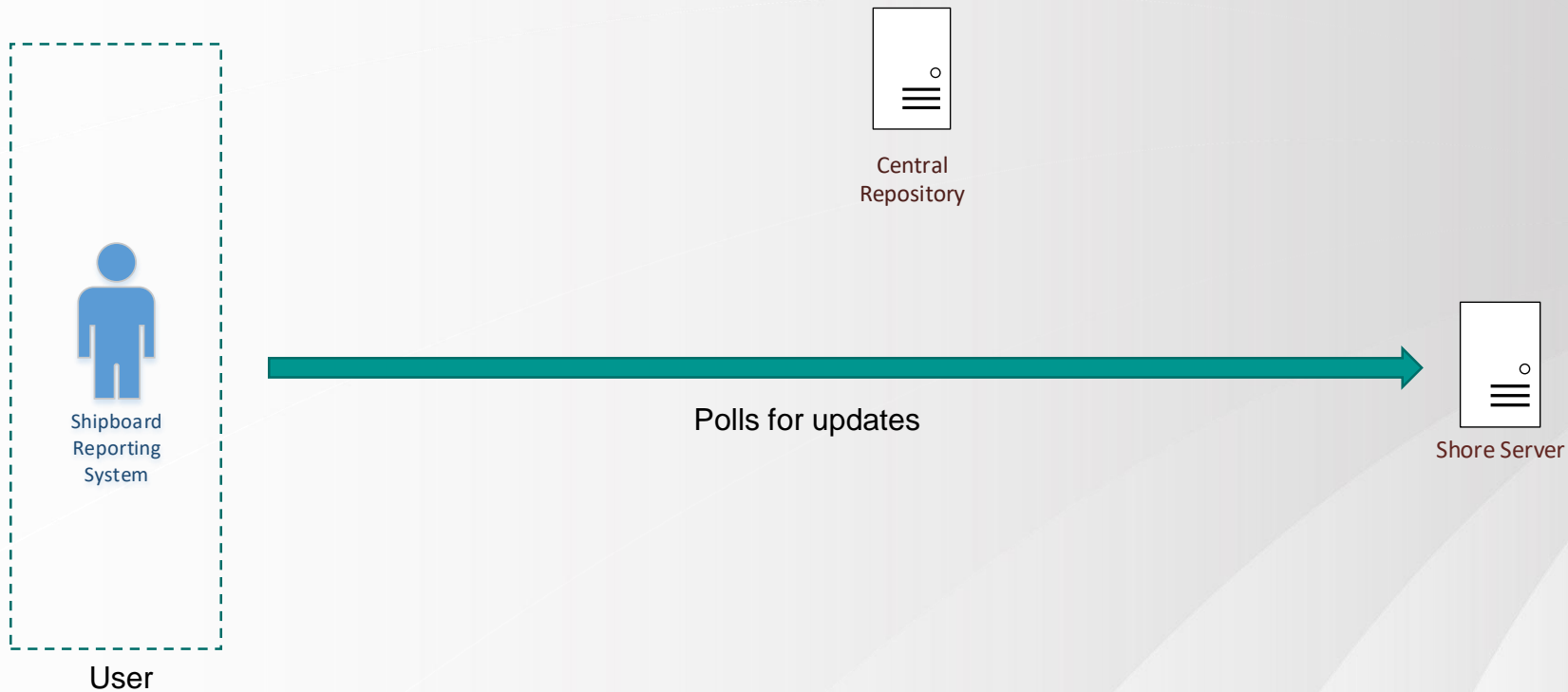




# Subsequent reporting



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# Other Technical Considerations

- Security, Authentication and Authorization
- Integration to IMO GISIS (Global Integrated Shipping Information System)
- Integration to IOT

# Conclusion

- Framework provides a standardized way for vessels to submit reports to shore digitally
- Enhances communication between ship and shore
- Flexibility in reports used for ports
- Vessels informed of the reports required

# Thank You