

MANAGEMENT OF THE WORLD-WIDE WEB

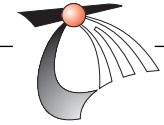
RESULTS OF THE CEO PROJECT

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CTIT

CENTRE FOR TELEMATICS AND INFORMATION TECHNOLOGY
UNIVERSITY OF TWENTE
THE NETHERLANDS

SBRC '97
19-22 May 1997

pras@cs.utwente.nl
<http://www.cs.utwente.nl/~pras>



BACKGROUND

JOINT RESEARCH CENTRE (JRC)

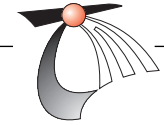
- EUROPEAN COMMISSION
- ISPRA - ITALY

CENTRE FOR EARTH OBSERVATION (CEO)

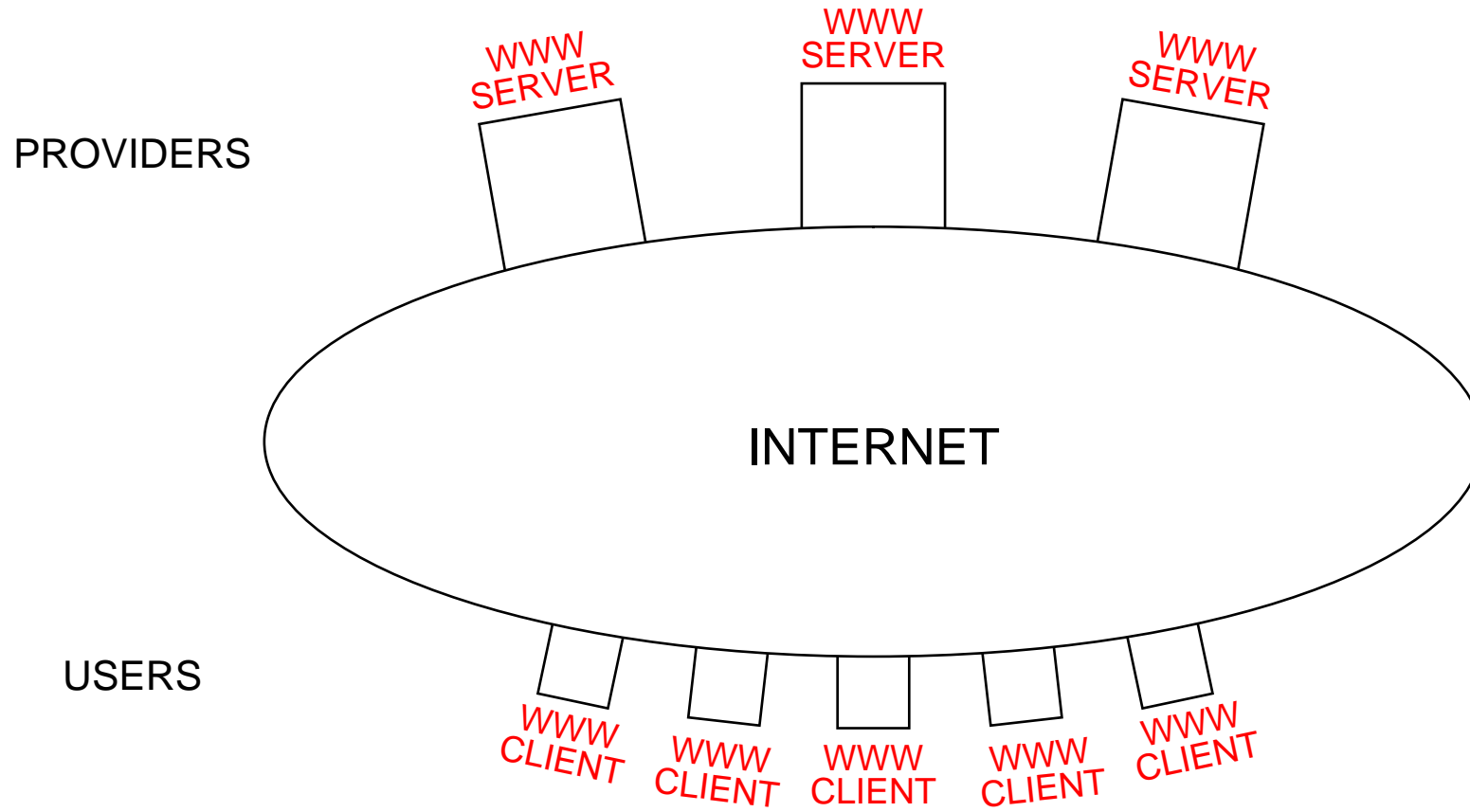
PROVIDERS OF
EARTH OBSERVATION DATA

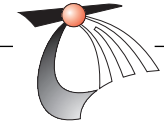


USERS OF
EARTH OBSERVATION DATA

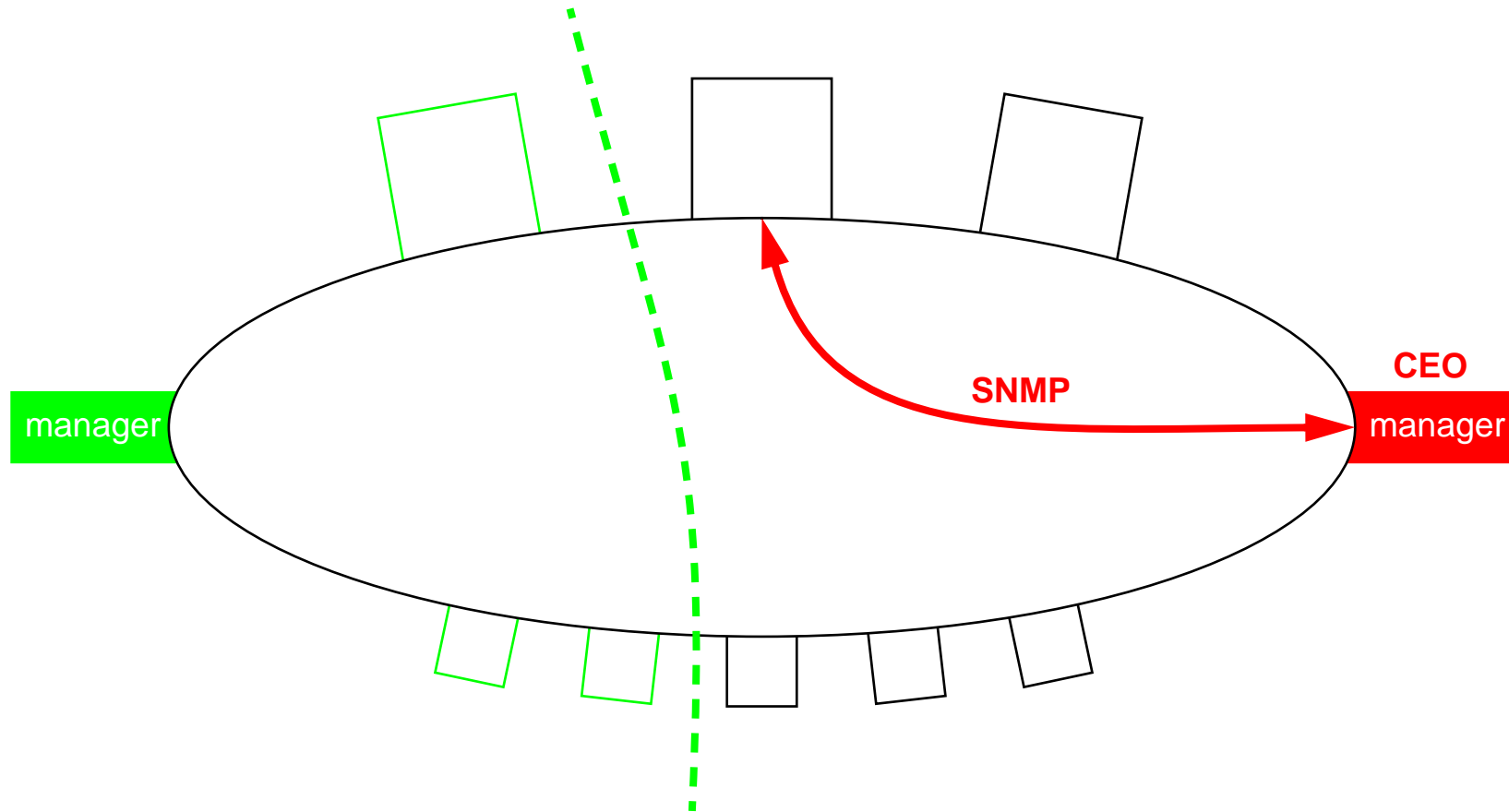


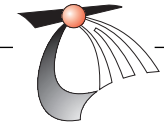
BACKGROUND





BACKGROUND





PROOF OF CONCEPT

WWW MANAGEMENT:

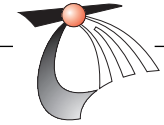
- DESIGN AND DEMONSTRATION
 - FIRST PROJECT IN A SERIE

PARTNERS:

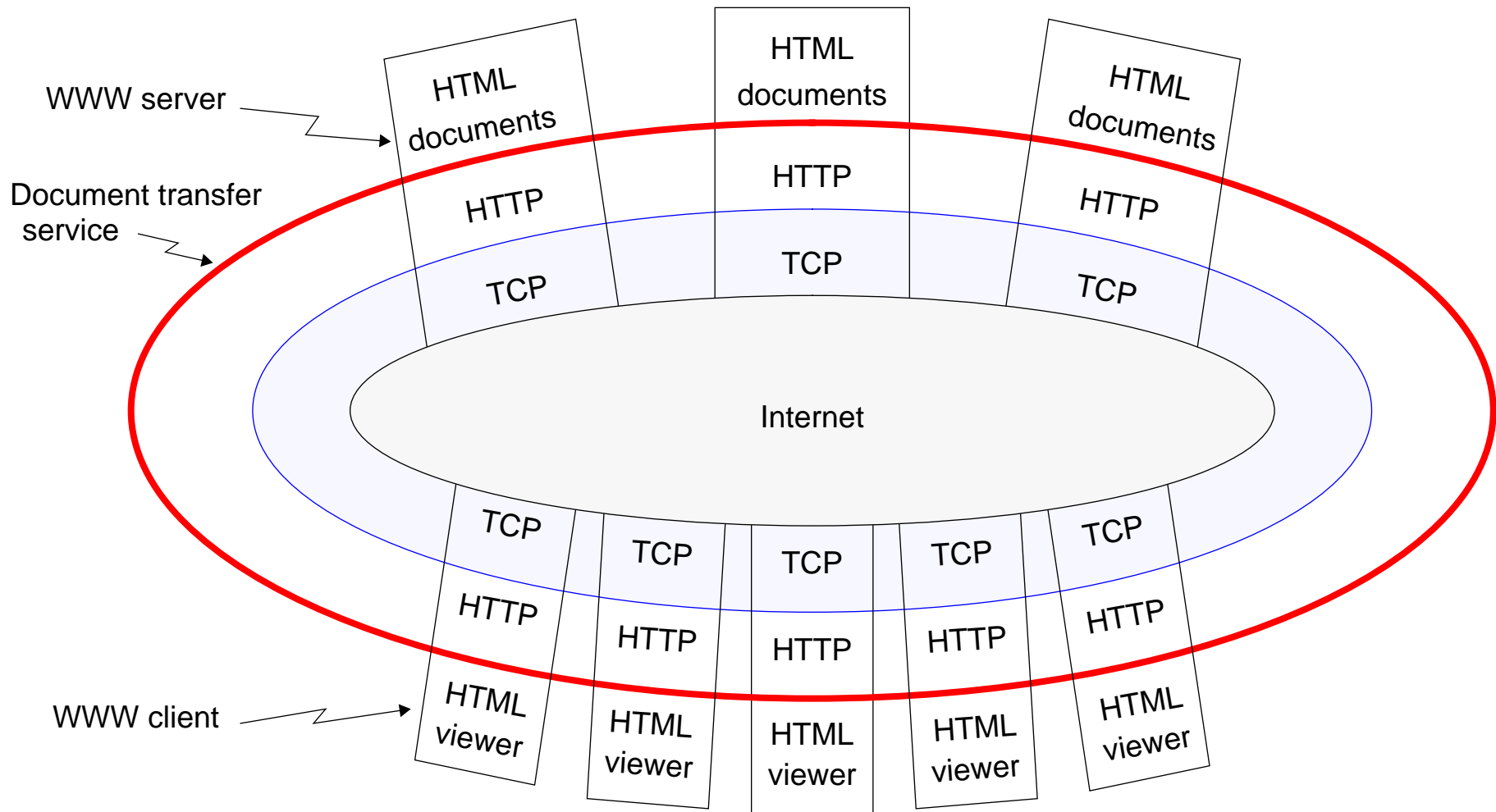
- ESYS LTD. - GUILDFORD, UK
 - CTIT - UT, NL
 - 9 MONTHS

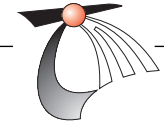
WORK DIVISION:

- ARCHITECTURE: ESYS & CTIT
 - MANAGER: ESYS
 - AGENT: CTIT

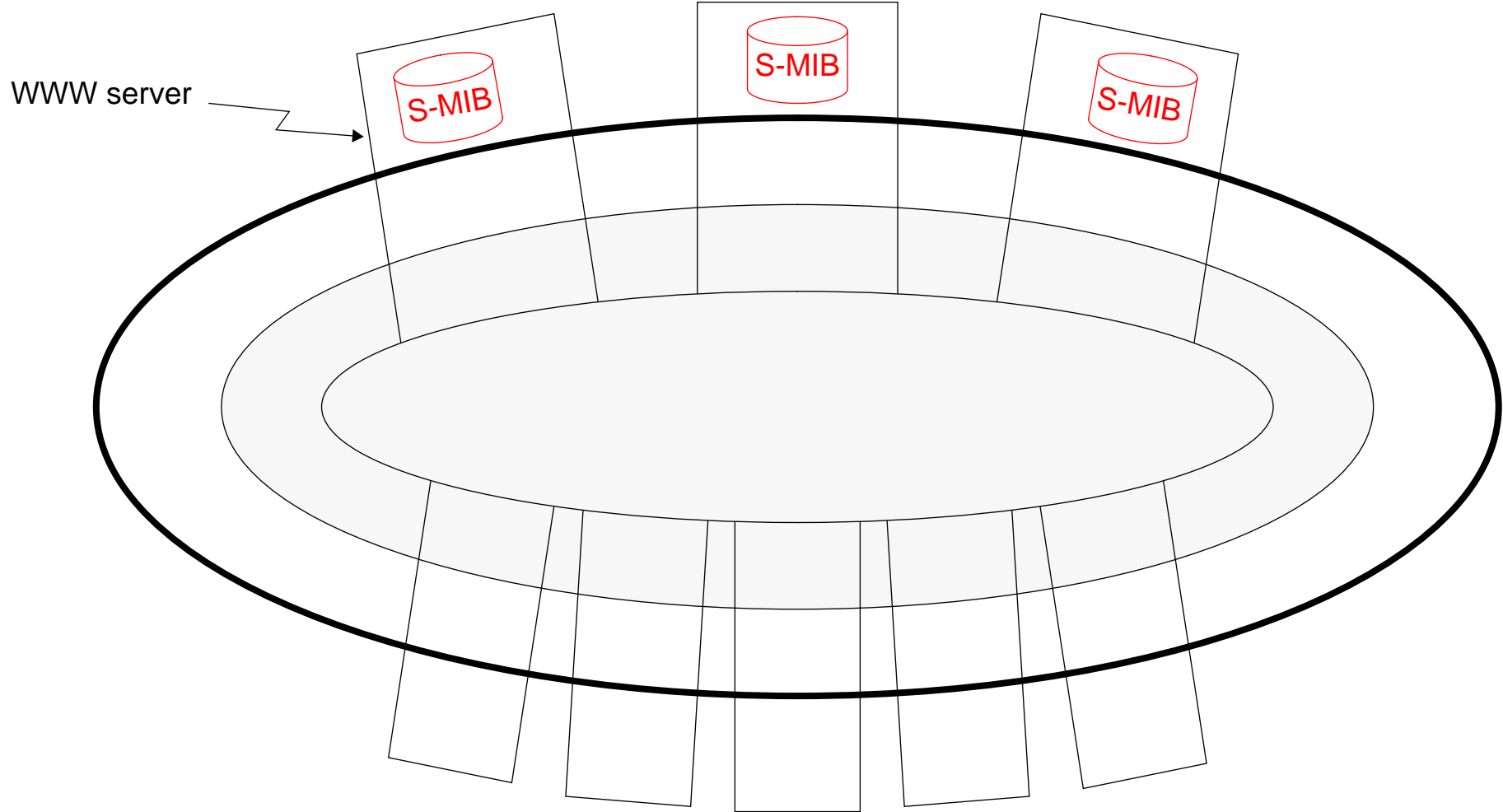


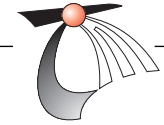
APPROACH



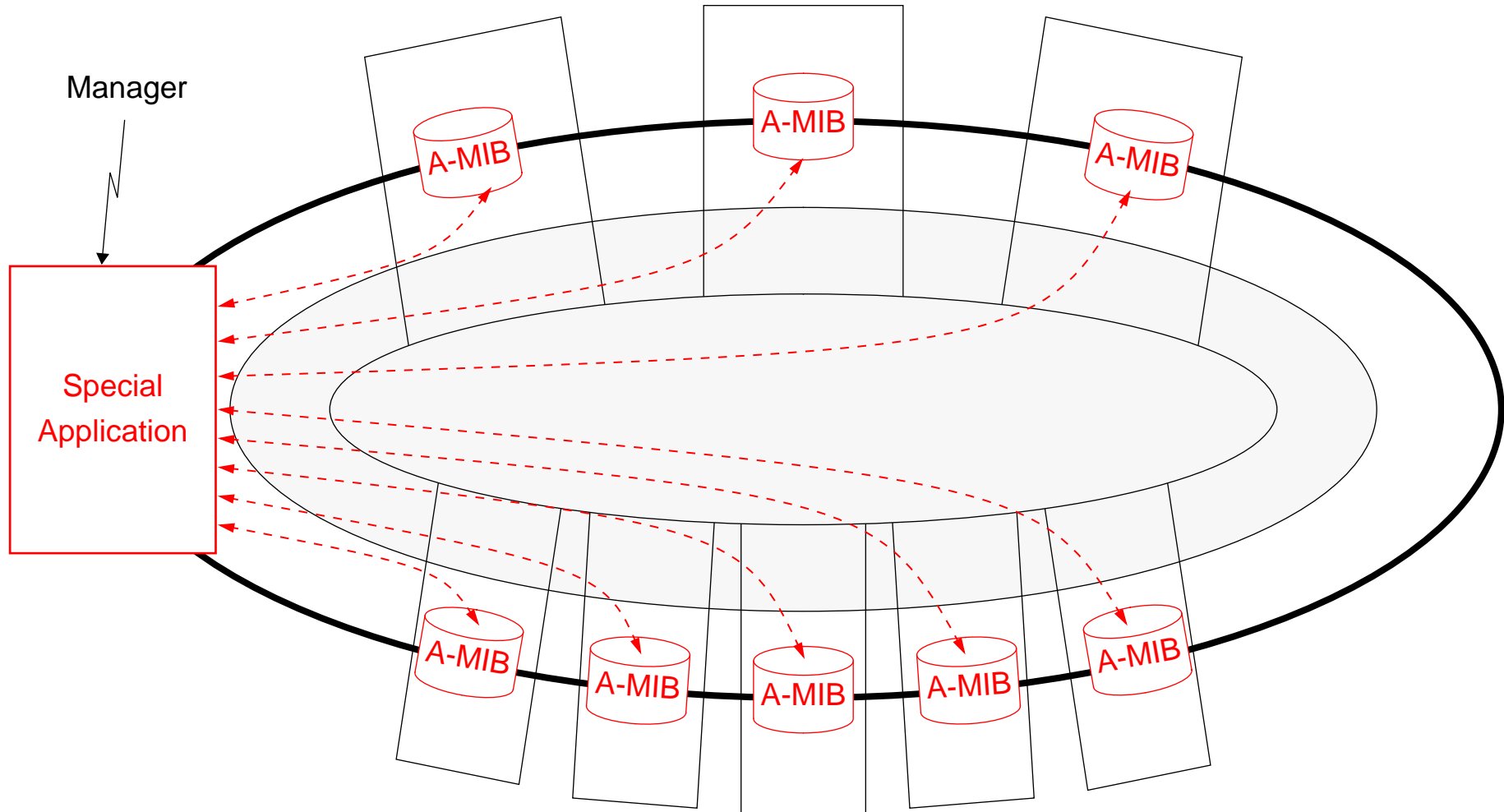


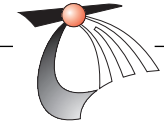
APPROACH



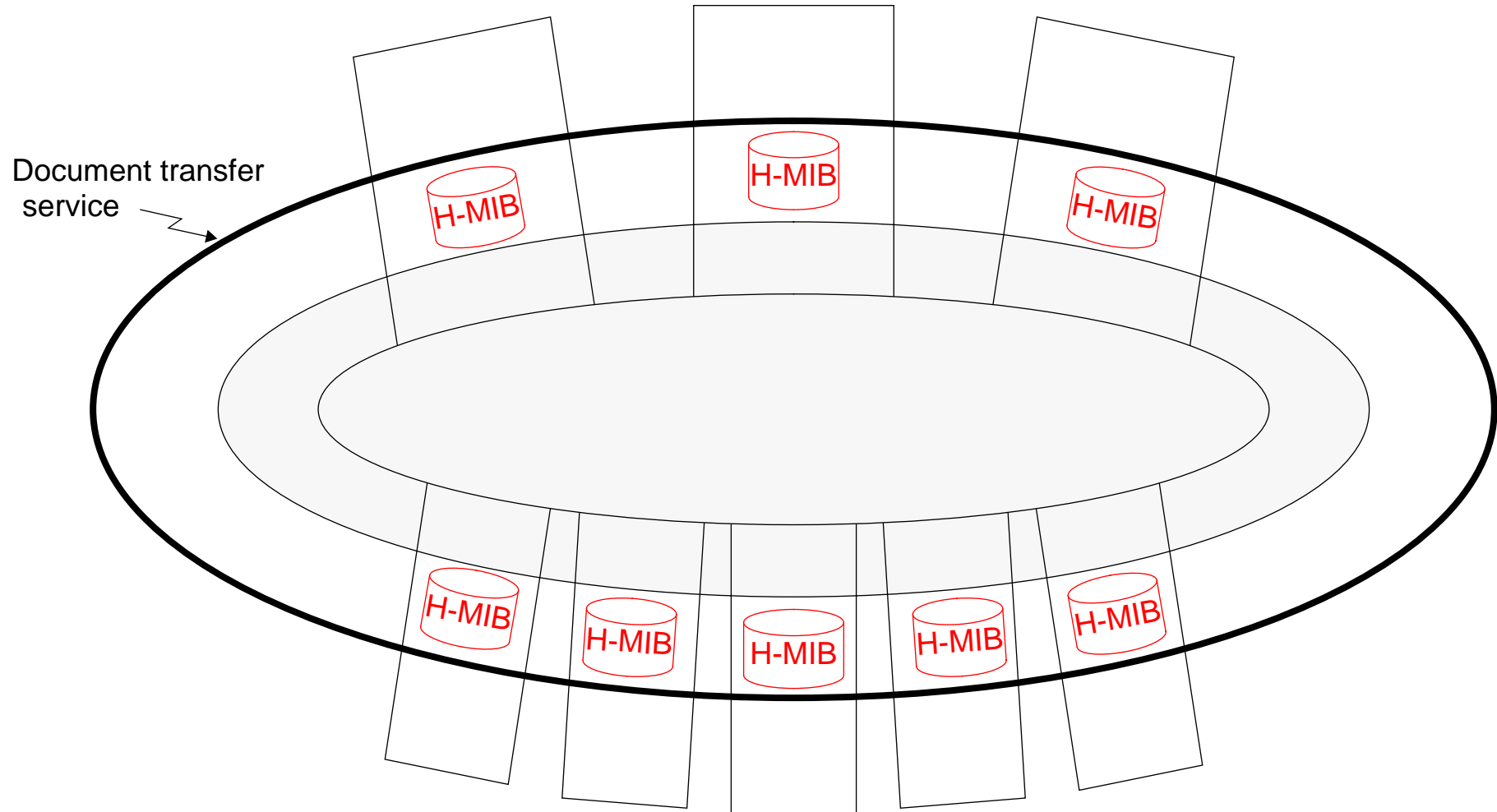


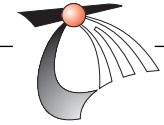
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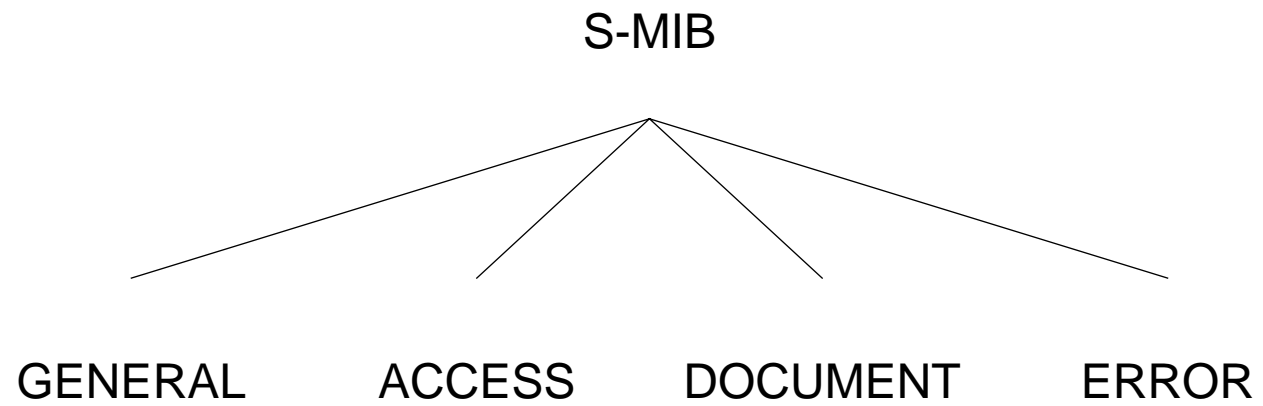


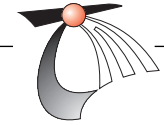
APPROACH





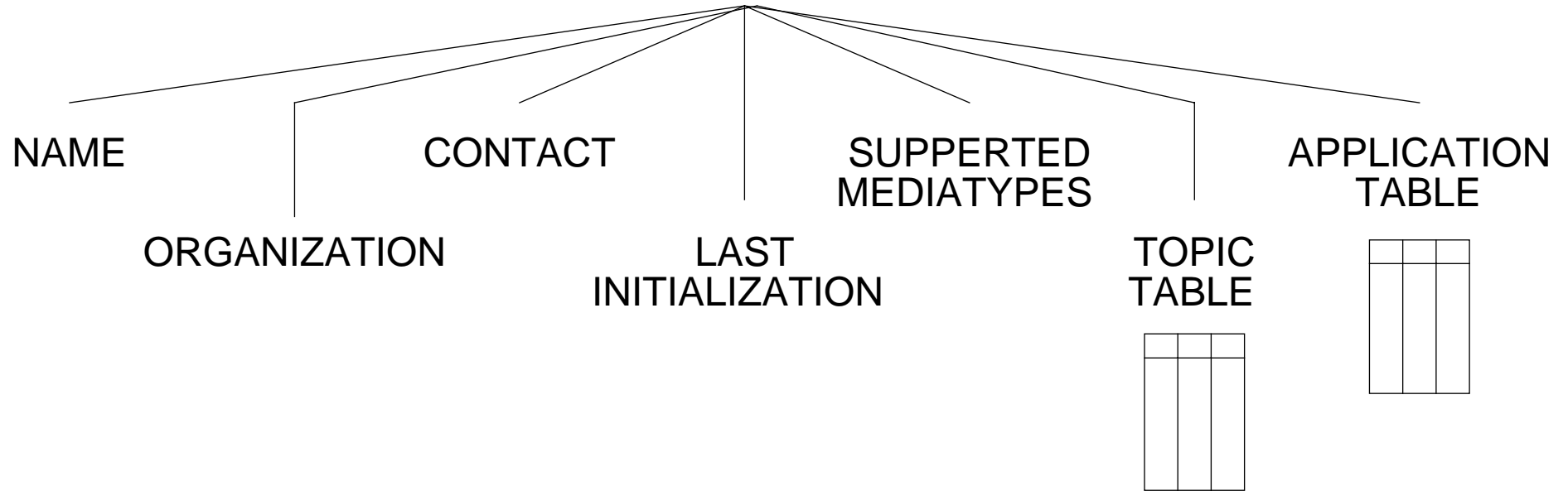
S-MIB

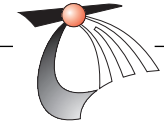




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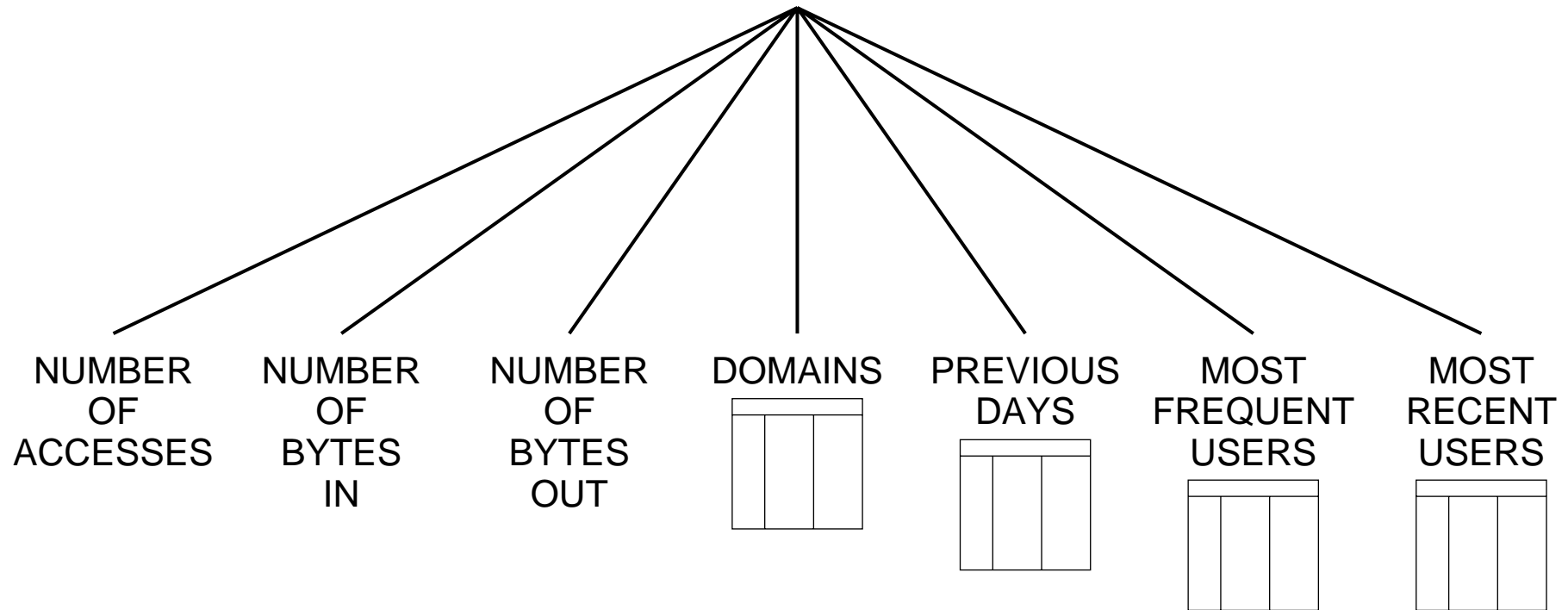
GENERAL INFORMATION

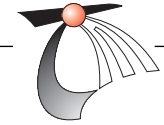




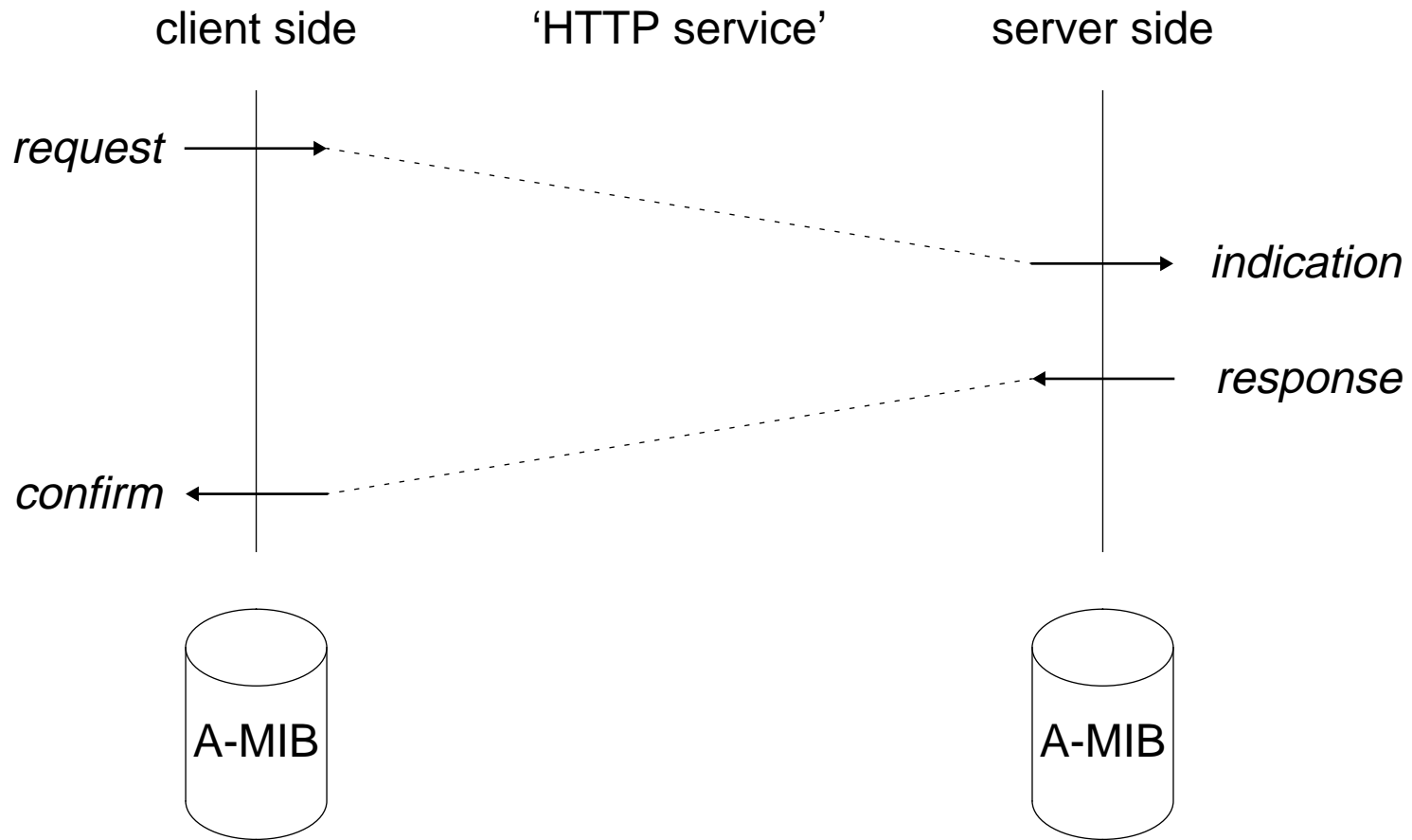
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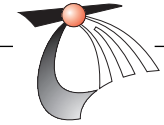
ACCESS INFORMATION



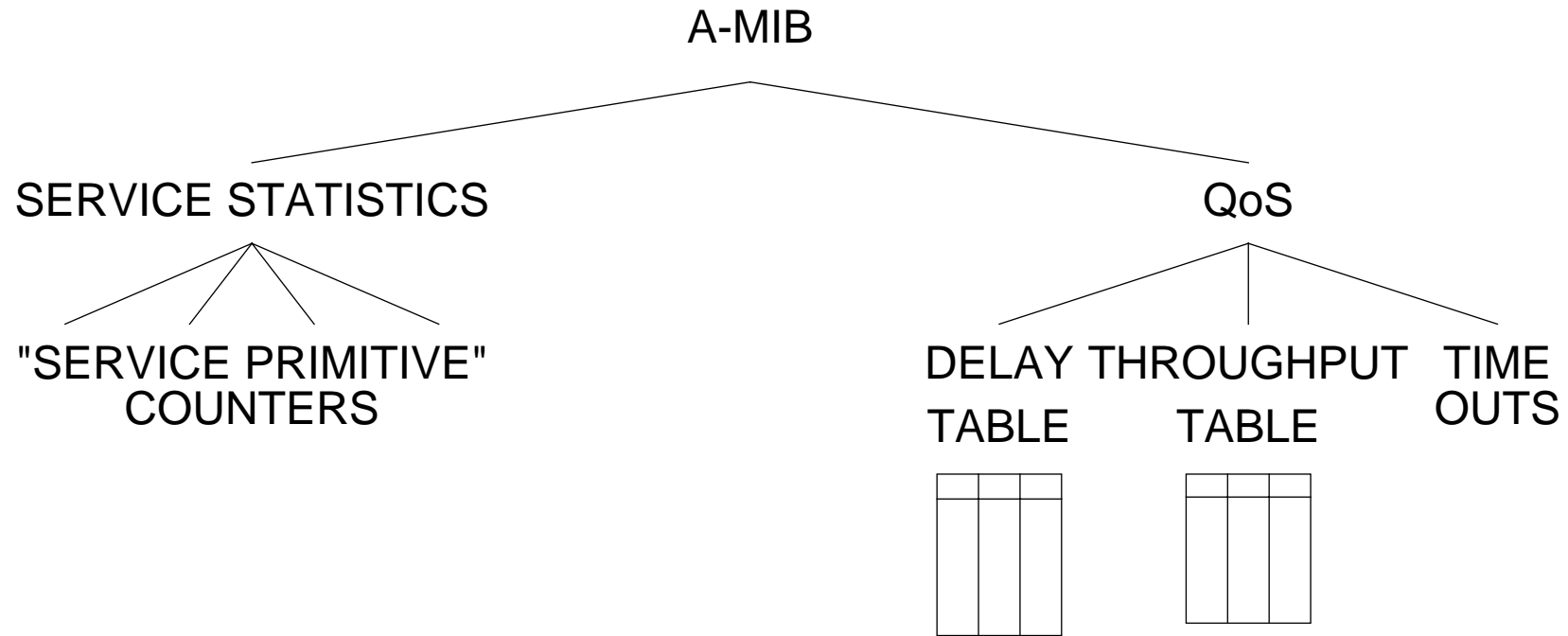


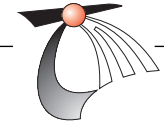
A-MIB



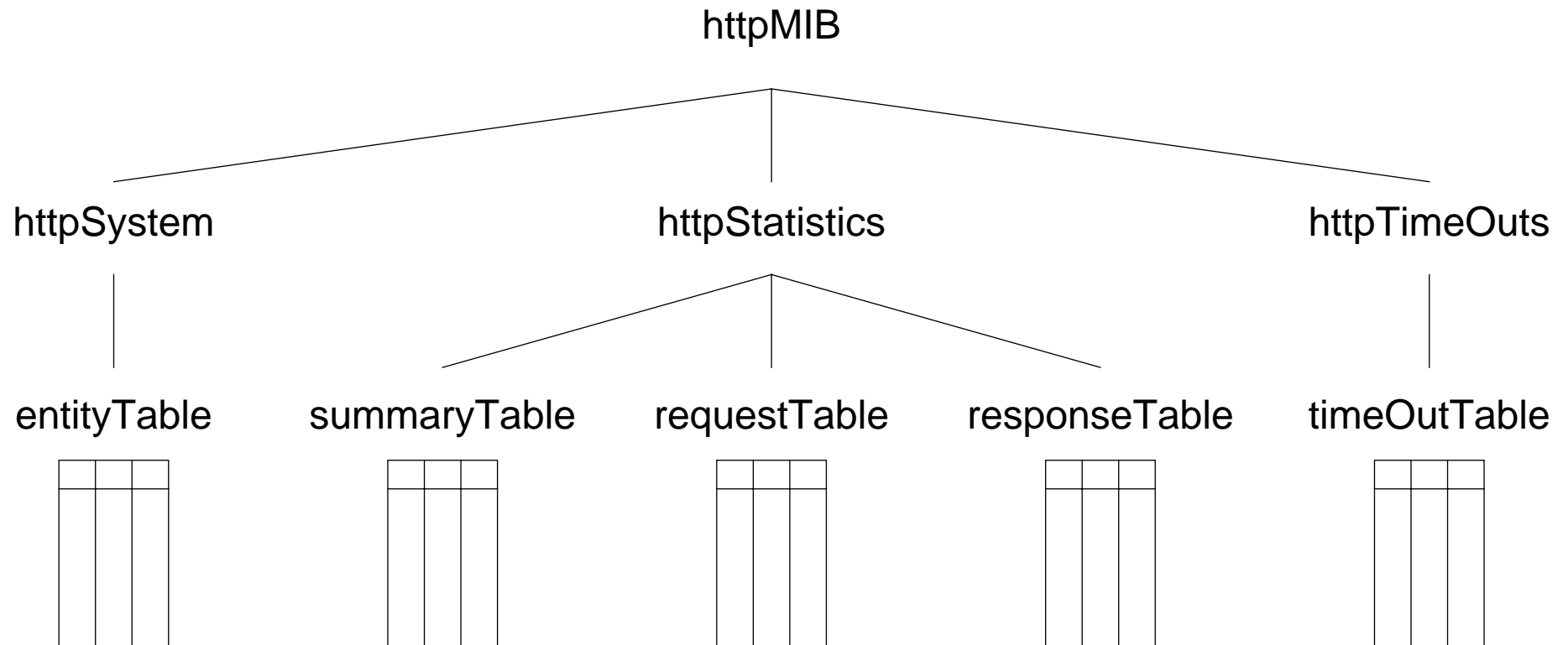


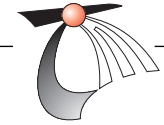
A-MIB





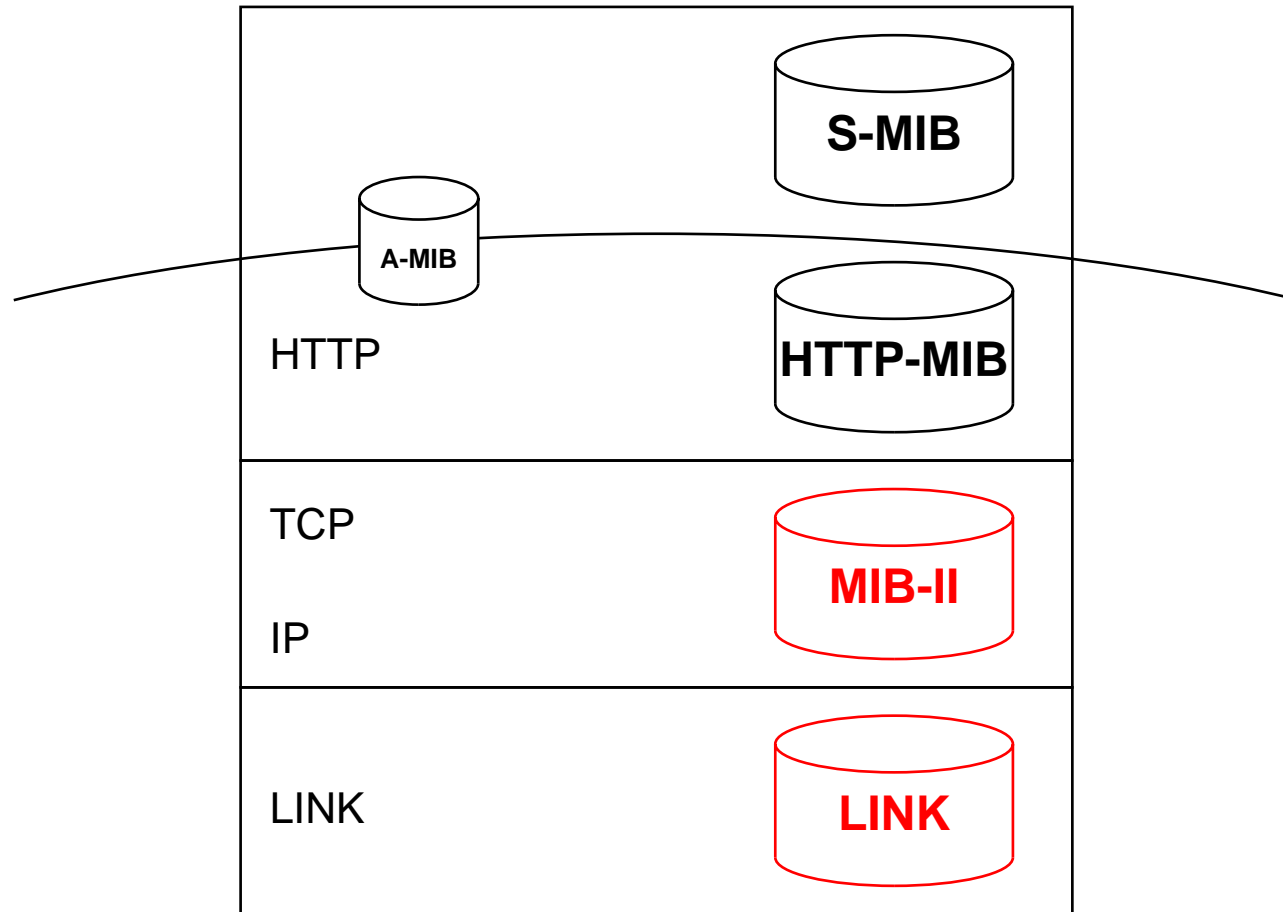
HTTP-MIB

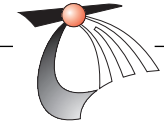




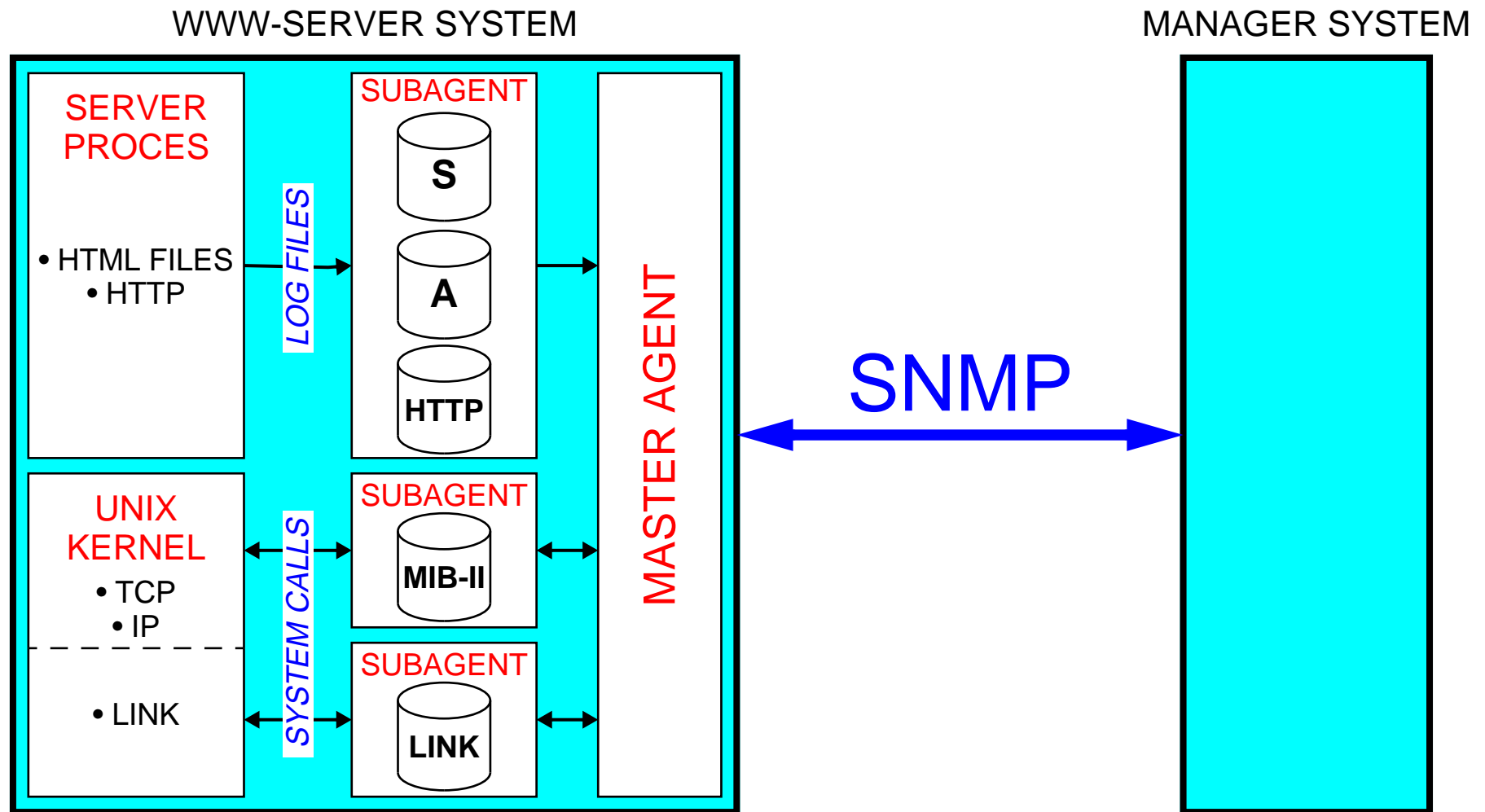
OTHER-MIBS

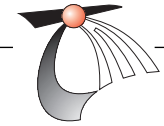
WWW-SERVER SYSTEM



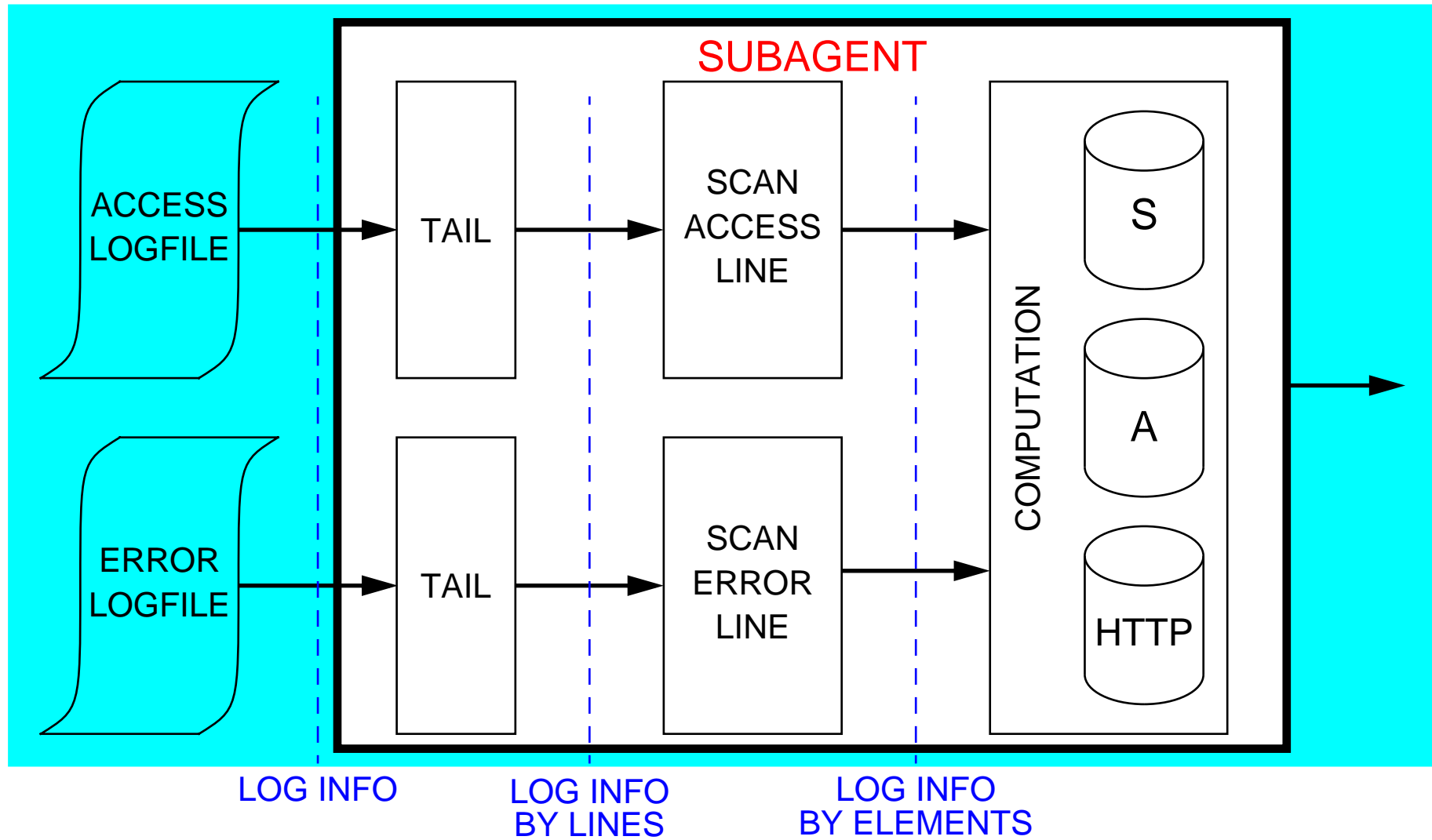


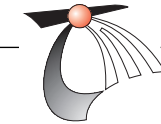
AGENT IMPLEMENTATION





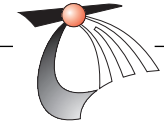
SUBAGENT IMPLEMENTATION





LOGFILES VERSUS IPC

METHOD	ADVANTAGE	DISADVANTAGE
IPC APPROACH	<ul style="list-style-type: none">• COMPLETE CONTROL OVER SERVER (SET OPERATIONS ARE POSSIBLE)	<ul style="list-style-type: none">• SERVER SOFTWARE NEED TO BE MODIFIED
LOGFILE APPROACH	<ul style="list-style-type: none">• NO NEED TO MODIFY SERVER SOFTWARE• CAN BE USED WITH DIFFERENT SERVERS	<ul style="list-style-type: none">• SERVER CAN ONLY BE MONITORED (SET OPERATIONS ARE NOT POSSIBLE)



RESULTS

- AGENT HAS BEEN DEMONSTRATED SUCCESSFULLY
- FIRST SNMP BASED WWW-MANAGEMENT SYSTEM
IN THE WORLD
- STANDARDIZATION WITHIN IETF
- PROTOTYPES AVAILABLE