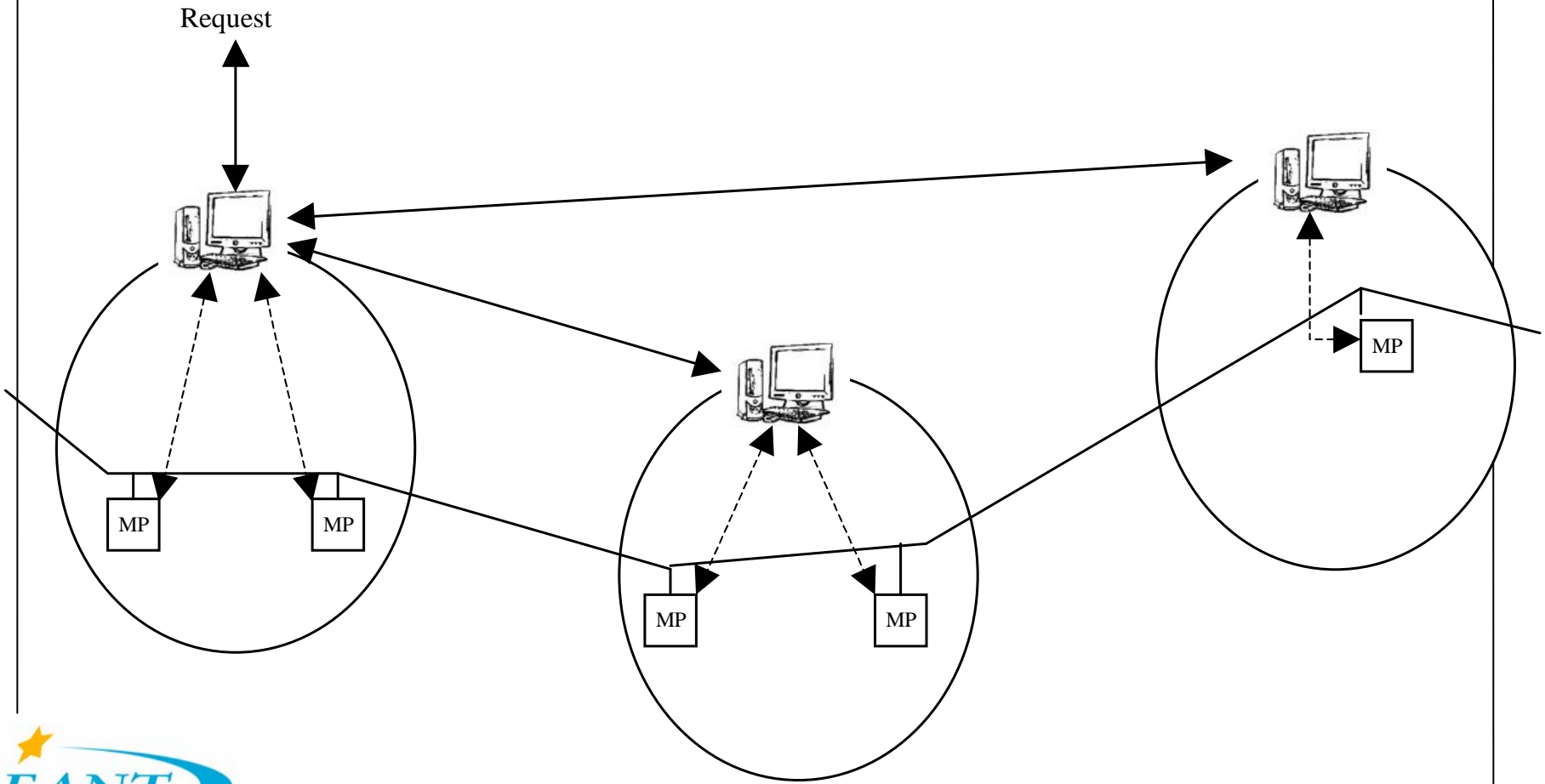


Performance Monitoring Status update

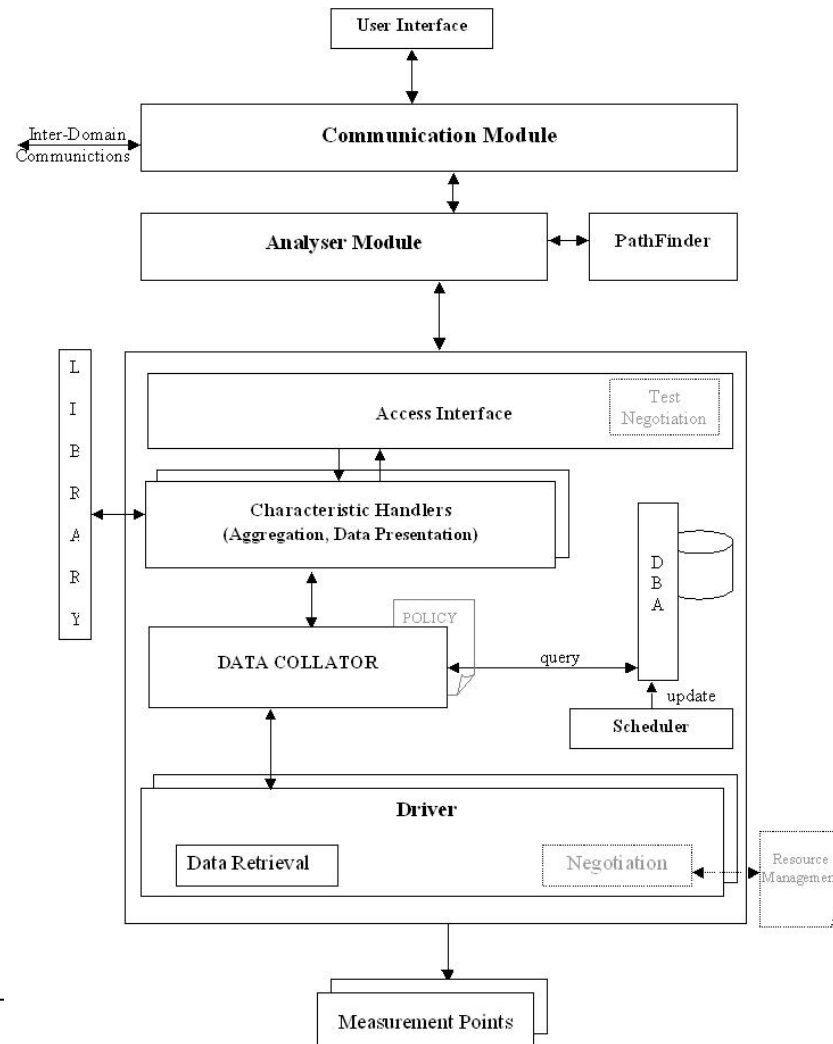
**TF-NGN meeting,
Amsterdam (NL), 10/05/04**

**Nicolas Simar, Network Engineer
DANTE**

Performance monitoring Infrastructure



Perfmonit Domain tool



Perfmonit Infrastructure status (1)

- Driver
 - RIPE TTM driver
 - Implemented
 - Capable of retrieving One Way Delay Values from RIPE TTM boxes
 - Three RIPE TTMs connected (SWITCH: 2, GEANT: 1), anybody else to increase the load on tool.
 - Add a driver for DFN IPPM by September
- Communication Module
 - Implemented using Web Services
 - SOAP RPC (demo)

Perfmonit Infrastructure status (2)

- Data Collector
 - Implemented for OWD and IPDV data
 - Extensible to include different characteristics
 - Collator chooses the best data source – depending on availability
 - Source can be the driver which contacts the necessary measurement box
 - Source can also be a database which has been continuously storing data
 - Extensible to include drivers for new types of measurement boxes

Perfmonit Infrastructure status (3)

- Data Store
 - Database
 - Capable of storing raw or aggregated values
 - Implemented for OWD and IPDV (avg, min, max)
 - Capable of storing test parameters (ex. Packet Size, Packet Rate, IP Version,..)

Perfmonit GN1y4 roadmap

- Specification and Implementation of
 - the path finder - Q1-Q2/04 (late)
 - communication module interface - Q1-Q2/04 (user interface done)
 - integration of a database for one-way type of test - Q1-Q2/04 (done)
- Definition of test for the validation of the tool – Q2/04
- Test and validation of the tool – Q3/04
- Discussion on the metrics which can be provided through the interface and related issues (includes discussion with EGEE). – Q3/04
- Report and recommendation for GN2 Q3/04

Perfmonit Next Steps

- Pathfinder (September)
 - Most important, most complex
 - Identifies all domains and measurement points that need to be contacted
 - Another Web Service
 - Pathfinders in different domains talk to each other
- Document/Literal SOAP
 - SOAP RPC although commonly used, may not be the best approach in this case
- Driver for IPPM (September)
- Multi-domain communication (September)
- Provide valuable input to GN2 JRA1

GN2 Preparatory work (1)

- Four work-item leaders identified
 - Requirement: Cesnet, Design: Renater, Implementation: PSNC and Evaluation: DFN.
 - Reviewed after one year.
- Several NRENs will start early:
 - Cesnet, DANTE, GARR, NORDunet, PSNC, Renater offer around 20MM of effort.
 - Requirement questionnaire (draft and send to NRENs by Mid-June)
 - We will send it to your NRENs, start thinking about it and following it!
 - Infrastructure state of the art (PiPEs, perfmonit, other) – by September

GN2 Preparatory work (2)

- OWD tools state of the art – by September
- OWD tools evaluation (OWAMP, IPPM) – by September
- Deployment of OWAMP and IPPM on PSNC, GEANT and GARR.

GN2 JRA1

- Budget reduction to 1.1M euros, 360MM over three years.
 - Some tasks have been removed from the workplan
 - Most of the work concentrated in the first 18 months
- Work starts during GN1y4
- Tasks specification refinement – August 2004

Collaboration with Internet2 PiPEs

- GNEW 2004 at CERN– joined presentation
- TPM 2004 meeting
 - Among partners: Internet2, ESnet
 - Several tracks of collaboration identified
 - Framework
 - AA
 - Resources Discovery
 - OWD
 - Throughput evaluation

Any Questions?

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Thank you.