



# SNMP / Internet View

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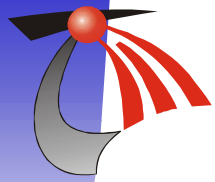
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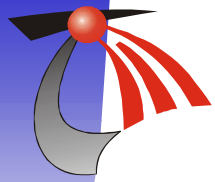
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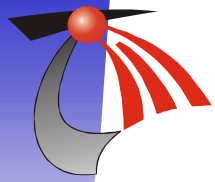
# Status of SNMP management

- **It is impossible to manage networks without SNMP**
  - **SNMP will still be important in 10 years from now**
- **SNMP has limitations, however ...**



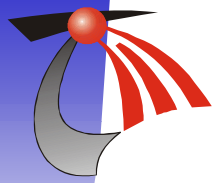
## Challenge 1: Secure management

- **Big networks should be managed in a secure way**
  - **The current version of SNMP is not secure**
    - **The IETF missed the opportunity to add security with SNMPv2**
    - **With SNMPv3 security finally arrives**
  - **SNMPv3 will be supported by many vendors ...**



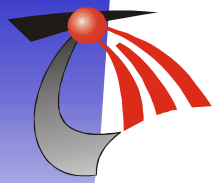
## Challenge 2: Distribution of management functionality

- **The current version of SNMP does not scale well**
- **The distributed management group (disman) will solve this problem**



## Challenge 3: Service management

- **SNMP is currently used for element and network management**
- **Element management will be based on web technology (and not SNMP)**
  - **SNMP will be extended with service management facilities**
- **Customer Network Management (CNM) will be based on web technology too**



## Challenge 4: Bureaucracy

- **Many people contribute to the IETF**
- **The organization behind the IETF can not handle the situation anymore**
  - **The biggest risks for SNMP is slow progression of standards**