



### SAN Services from MEN@NET: fast-acting, secure, highly-performant



The advantages of a Storage Area Network (SAN) are obvious: Efficiency, flexibility, speed and above all disaster tolerance are key factors. Certainly, all network components should be compatible and communicate error-free with each other. The compatibility of different original equipment manufacturers (OEM) equipment is usually an issue before an upcoming expansion of the network. Nevertheless the performance of the SAN should be guaranteed, too. And that is where we come in.

The company specialises in network and performance management of high-speed data networks. We provide a comprehensive product portfolio for your SAN. We have developed our own monitoring software SAN RM and offer services, training, workshops as well as measurement and analysis equipment from popular vendors. Since 1999 we have been your reliable partner in this sector.

### Workshop NVMe Technologie

Non-volatile Memory Express is a memory access protocol characterised by high parallelism and fast performance. The PCIe protocol is used directly, so that the previously required protocol converters are no longer required. So NVMe is less complex, more efficient and easier to use



than traditional systems. Distributing storage across a large number of devices and over long distances is achieved by extending to NVMe over Fabrics. The Workshop NVMe Technology of MEN@NET is designed to discuss and demonstrate the scope, cost and benefits of the NVMe protocol and NVMe over Fibre Channel through practical exercises. This allows, among other things, to derive a profitability analysis for the application.

### Target audience

The NVMe Technology workshop is designed for SAN managers and their staff who want to learn about the new storage protocol in order to be able to decide for themselves the technology often referred to as a revolution in SAN.



## NVMe Technology

The participants of the workshop will get an overview of NVMe technology. Advantages and disadvantages of NVMe and differences to SCSI will be discussed. The recommended use of NVMe over Fibre Channel is demonstrated. In addition, the workshop participants will have the opportunity to compare existing technologies and to classify them according to their own SAN environment. Based on these results, NVMe over Fibre Channel can be evaluated technologically and economically.

### The Workshop NVMe Technology in brief

- Introduction in the memory access protocol NVMe
- Comparison of NVMe and SCSI
- NVMe over Fibre Channel
- Compatibility and Interfaces to other systems
- Advantages and disadvantages for the use of NVMe
- Classification and comparison of existing technologies
- Practical demonstrations and exercises

## Our Training Program in Lübeck

You can find the current course schedules at [www.menatnet.com](http://www.menatnet.com). All training courses are also available as in-house training at your company or at another location. Please contact us!



### Fibre Channel Technology

Training: Architecture and processes of the Fibre Channel protocol



### Reporting with the SAN RM API

Workshop: Optimal use of the API included in SAN RM



### VM Performance in the SAN

Workshop: Communication of virtual machines in Fibre Channel



### SAN Management with SAN RM

Workshop: Optimal use of the monitoring software SAN RM



### Fibre Channel Troubleshooting

Training: Detection and analysis of disturbances in the SAN



### SAN Performance Monitoring

Workshop: Setting up and implementing effective operational monitoring.



### NVMe Technology

Workshop: Use of the non-volatile Memory Express Protocols

**We make performance happen** ●●●



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