



advanter® 7

Virtualization requirements

Special feature virtualization

What to note

Informationen

Virtualization describes the emulation of hardware, operating systems, memory or network resources. This makes it possible to separate the installation layer from the hardware. advanter can be used on virtualizations taking into account its own special features. Please note that virtualization does not represent a cost saving but should only be used for reasons of flexibility and security.

Version

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Virtualization specials / advanter

Licensing

Virtualization is not prohibited by the provider of the filemaker database we use, but a licensing problem arises because virtual machines can be duplicated at will without our knowledge. Source: http://help.filemaker.com/app/answers/detail/a_id/6594

Resources

Virtual instances share host server resources with other virtual instances. If resources are not optimally allocated, the FileMaker Database Server may not perform as expected. In particular, disk access and network bandwidth have a huge impact on the performance of database servers and the use of advanter. This is known as a Noisy Neighbor effect, which users will notice in a permanently used ERP software.

BACKUP

Backups of virtual instances are often performed using so-called snapshots. A copy (see licensing) is created during live operation of the database, which can lead to data inconsistencies or loss. When a snapshot is created, no consistency check of the database files is performed.

What to consider for virtualization

Memory media (most important measure)

Read and write-intensive servers (e.g. file storage, other databases) occupy the available memory due to many accesses. Allocate exclusive hard disks (ideally SSDs) and RAM to the advanter / FileMaker Server. No memory (RAM & hard disk) should be overstacked.

Network

Resource-intensive services (e.g. Mail and groupware such as exchange) often occupy the bandwidth of the network and thus of the host network card through regular queries. Allocate an exclusive network connection to the advanter / filemaker server.

Backup

A snapshot stops the virtual instance, copies it and then restarts it. All users lose their connection to the server, which may result in data loss. There is no consistency check of the data. Do not take a snapshot of the instance, but backup the filemaker backup data. (advanter backup)

Support

Experience has shown that the use of the advisor in a virtual, non-certified hardware environment usually causes problems. We recommend prior consultation on the choice of virtualization or use on a dedicated computer. We strongly advise against virtualization on standard hardware to save budget!

If the filemaker server is operated on a virtual machine, we reserve the right to charge for any expenses that are due to a virtualization that is not optimally configured as a separate support service.