



PHIT – Proactive Healthcare IT Monitoring

We detect disturbances before they develop!

The PHIT system (Proactive Healthcare IT-Monitoring) developed by DFC Systems support the system administration during monitoring and maintenance of your complete IT-environment. This applies particularly for the IT requirements concerning the healthcare field.

In contrary to the usual IT monitoring solutions that are available the **DFC PHIT** system is not only designed to supervise certain hardware components but it even enables you to monitor all IT components and services that exist in your network.

Another advantage of **DFC PHIT** is the possibility to check available application interfaces (e.g. KIS, RIS, and PACS environments). If necessary it enables the automatic reboot from appropriate interfaces like HL7 or DICOM or informs the responsible person.

Thus initiating disturbances or shortages can be avoided previously or a targeted service call on-the-spot or via remote can be initiated.

As a result **DFC PHIT** avoids expensive system crash periods and thus ensures the users satisfaction.



DFC PHIT analyses the availability and the performance of your systems, working processes and services as well as defined actions like the daily and proper handling of your data protection.

As soon as the predefined threshold values differ an automatic notification which can be an email or text message (SMS) is send to the responsible IT or application administrator and/or to the **customer service center of DFC SYSTEMS.**



The web-based surface that is customized can also monitor components like as server systems, work stations, Laser-Imager, data back-ups, routers, firewalls, modalities and interfaces.



DFC PHIT is flexible, adaptable and is in principle able to monitor all the existing components (hardware) of your IT-environment as well as the applications, working processes and services including the ones from different producers.

Below are only some examples of components and services that are already monitored by DFC PHIT

- MS services such as LDAP, DNS, DHCP, http, https
- MS eventlogs, error ID's and corresponding actions
- MS applications such as MS SQL, Sharepoint, Exchange
- VMWare CCU- and RAM degree of capacity utilization
- VMWare session degree of capacity utilization
- Cisco CCU- and RAM degree of capacity utilization
- Cisco Interface- degree of capacity utilization
- Cisco Interface Status (Up/Down)
- Cisco number of active VPNs

Additionally **DFC PHIT** offers graphic evaluation possibilities. Thus it can present you the performance and availability status of your IT environment fast and precisely (well-arranged).



The web-based representation is shown in the average system utilization per time unit (e.g. hour, day, week and month).

Server module

- CPU utilization in %
- Hard disk capacity in % pro Partition
- RAM utilization in %
- RAID Controller (active/inactive)
- Power adaptor & fan (active/inactive)
- Network interface card (active/inactive)
- Temperature status

Data protection/backup module:

- Notification for successful data protection
- Notification for failed data protection

KIS/ RIS/ PACS interface module:

- Status of the interface
- Automatic notification in case of interruption (off-line mode)
- Automatic restart off the interface

MBS-Easy/ SpeechMagic module

- Service monitoring process (recognition server, context-adaption server)
- Server availability and storage capacity
- Delete function for dictations (PurgeDemon)

Datenbank (Oracle, MS-SQL, MySQL)

- Status/ utilization Tablespaces in %
- Status Redo-Log Files
- Availability exam (TNS-Ping)

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