

# DPM Deployment Architecture Options

## Transparent Data Encryption

### DPM software products are installed into standard Windows or Linux environments

Our Transparent Data Encryption (TDE) product DPM easyCipher, comprises two components:

- easyCipher management module which centrally controls policies for data privacy,
- DPM encryption agents which are installed on end-devices and servers holding data (to be encrypted),
- The DPM easyCipher manager application is installed in a physical or virtual Windows or Linux environment together with a backend database for storing DPM application data,
- DPM agent software is installed on every laptop and server requiring transparent data encryption of content (files, folders, applications or databases).

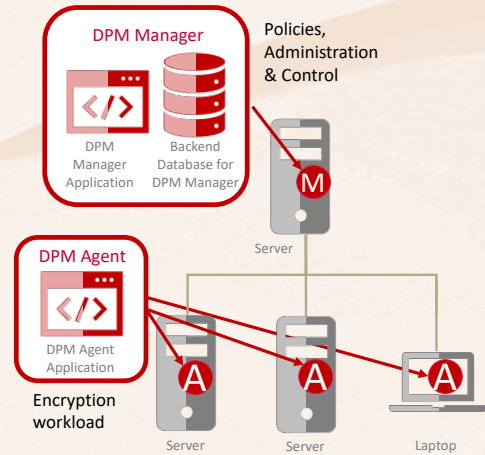


Figure 1 DPM software physical installation

- Protected data is never accessed or stored within DPM management modules whether deployed in-house or accessed via DPM easyCloudPlus SaaS
- The work of the DPM management modules is confined to managing and monitoring DPM Encryption Agents, API and DB Database Connectors activity, data privacy and key management policies

DPM easyCipher manager controls policies for transparent data encryption that is performed by DPM easyCipher agents.

DPM easyCipher agents perform all the heavy lifting of encryption processing on protected servers

DPM easyCipher

DPM easyCipher Agent

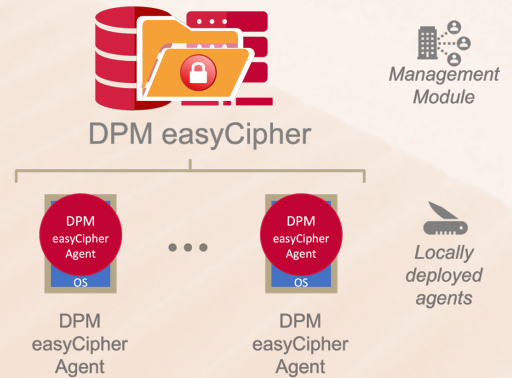


Figure 2 DPM easyCipher logical components

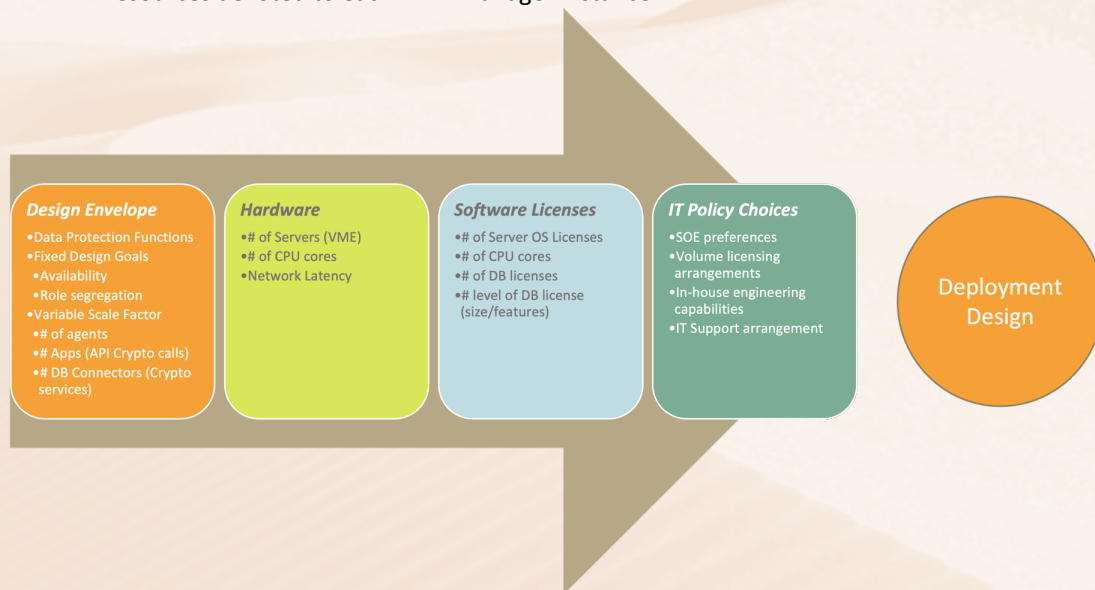
# DPM Deployment Architecture Options

## Transparent Data Encryption

### Deployment Design Process

The deployment design considerations for DPM easyCipher are the same as for any mission-critical application that run in a standard Windows or Linux environment:

- Considerations of depth of redundancy, back-up for disaster recovery along with having an isolated test environment influence the number of DPM manager instances,
- Considerations of performance and role-separation, influence the amount of hardware resources devoted to each DPM manager instance.



### Flexibility in deployment design

DPM easyCipher can be run in a single environment alongside its backend database. Alternatively, for customers requiring higher levels of performance, backend database can be split onto a separate server or multiple servers can be running in a load-balancing configuration.

