

## Your benefits

- Intuitive and easy-to-use handling
- Secure communication, even with persons without their own encryption service
- High level of efficiency by automated processes
- Simpler consideration and compliance with data protection regulations
- Comprehensive service by indevis: Setup and design, service desk, reporting
- Scalable costs, investment shift from CapEx to OpEx



## DO YOU WANT TO KNOW MORE?

Your personal contact person will be happy to advise you and discover together with you what concept bestfits your needs.

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## INDEVIS E-MAIL ENCRYPTION

# YOUR KEY TO CONFIDENTIAL E-MAIL COMMUNICATION

Unencrypted e-mails open the floodgates to industrial espionage and state-supported spyware as they are comparable to a simple postcard in terms of confidentiality of content. *indevis E-Mail Encryption* provides an automated service for encrypting and signing your e-mails. Compliance regulations are also satisfied since valuable data can only be read by the recipient for whom the data are intended.

### INTUITIVE PROTECTION SYSTEM AGAINST UNAUTHORIZED SPYING

To ensure comprehensive protection of communication, indevis offers an e-mail encryption service as an add-on in addition to its e-mail security service for protection against spam and malware. This service enables reliable encryption and decryption of incoming and outgoing e-mails in compliance with the S/MIME standard. Using the service, e-mails are sent and received via the *indevis E-Mail Encryption* gateway. Moreover, every outgoing e-mail can be assigned a signature, while an incoming, signed e-mail can be verified with the *indevis E-Mail Encryption* service. A secure link between a client's e-mail system and the *indevis E-Mail Encryption* service itself is also ensured by separate encryption with TLS.

### COMPLIANCE AND DATA PROTECTION WITH E-MAIL ENCRYPTION

The encryption of e-mails ensures the confidentiality of the communication. In this way, companies can protect themselves against industrial espionage and assure that internal and statutory data protection and compliance directives are observed.

Text and attachments belonging to an outgoing e-mail are encrypted by *indevis E-Mail Encryption* using a public key, the recipient's certificate. In this regard, a certificate at the gateway is used or a search is carried out for a valid certificate on public certificate servers.

If a public key for an e-mail recipient is missing, the corresponding e-mail cannot be encrypted. Depending on the defined set of rules, e-mails in such cases can be retrieved by recipients using a secure cloud storage portal – the Messenger service – which makes *indevis E-Mail Encryption* a particularly intuitive solution. Alternatively, the e-mails are not sent at all, but the recipients are notified of the status. E-mails received through the *indevis E-Mail Encryption* gateway are decrypted with the recipient's certificate and forwarded to the e-mail server.



## MESSENGER SERVICE: CONFIDENTIAL COMMUNICATION – EVEN WITHOUT CERTIFICATE

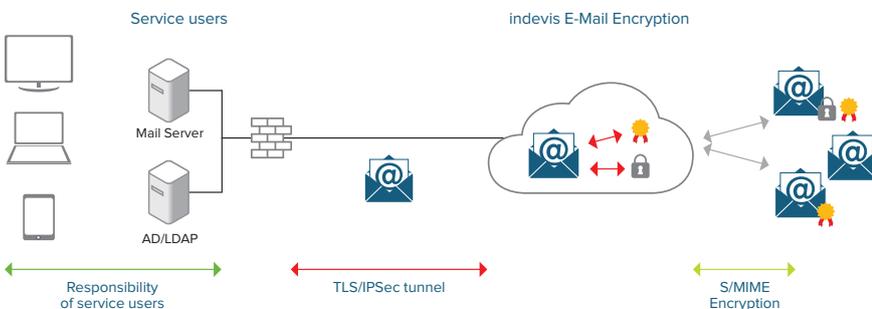
The Messenger service offers a secure way to receive e-mails, even if the recipient does not have a public key infrastructure (PKI) with certificates. The message is then buffered in the Messenger portal. When using for the first time, recipients are requested to register on the portal. Recipients require no infrastructure to register and benefit from intuitive operation. Once registration is complete, the e-mail is sent with password protection. Recipients use their portal password to decrypt the encrypted messages. The Messenger service portal can likewise be used to transfer secure messages to the sender.

## SIGNATURE PREVENTS COMMUNICATION CORRUPTION

Outgoing e-mails can be assigned a digital signature using *indevis E-Mail Encryption*. The use of a signature ensures the integrity of the communication and prevents third parties from tampering with the e-mail contents. Signing takes place using a certificate of the sender stored on the *indevis E-Mail Encryption* gateway. If users do not yet have a valid certificate, one can be created by the automatic certificate handling process using an accredited certificate authority. The certificate is then stored on the *indevis E-Mail Encryption* gateway and can be used for all further signatures. Incoming signed e-mails are checked for authenticity using the signature. The recipient will be warned if the signature is faulty.

## DEFINED SET OF POLICIES FOR GREATEST EFFICIENCY

Since typically not all e-mails in an organization are supposed to be signed or encrypted, a previously defined set of policies can be applied to control how e-mails passing the gateway are handled. Different policies can be defined for different user groups, individual sender and recipient e-mail addresses, as well as for domains. This enables e-mails to be sent as before in unencrypted and unsigned format, or to have them automatically signed and also encrypted without any additional administration. The centrally configurable policies relieves users of having to decide how to handle particular e-mails, thereby saving staff valuable time and protecting against errors and violations against compliance.



Would you like to get to know *indevis E-Mail Encryption*? We would be happy to present our service to you in a demo session and explain the benefits of an intuitive e-mail encryption solution.

## About indevis GmbH

Since 1999 indevis IT-Consulting and Solutions GmbH, certified by the BSI, has been providing IT security, datacenter and network solutions to companies of all sizes and in diverse sectors. In doing so, indevis fully meets the demands and requirements set out by the economic sector and public authorities and higher education institutions.

As one of Germany's leading cloud and managed service providers, indevis is the ideal partner for network technology and IT security to over 1,800 clients.

indevis offices are located in two cities in Germany: Munich and Hamburg. Additional staff members work at a number of other locations distributed throughout Germany. indevis employs more than 70 staff in total.



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