

TC Enterprise ID for Secure E-Mail

Easy Handling using Secure E-Mail Gateways

Centrally controlled, easy to administrate and flexible for the recipient

Implementing secure E-mail at a workplace can impose additional complexity on the end user. Secure E-mail gateways offer a solution to this problem. Controlled by a central security policy, the E-mails are signed and encrypted directly at the secure E-mail gateway. This enables uniform E-mail security organization-wide, with low administrative costs and without impairing the existing workflow.

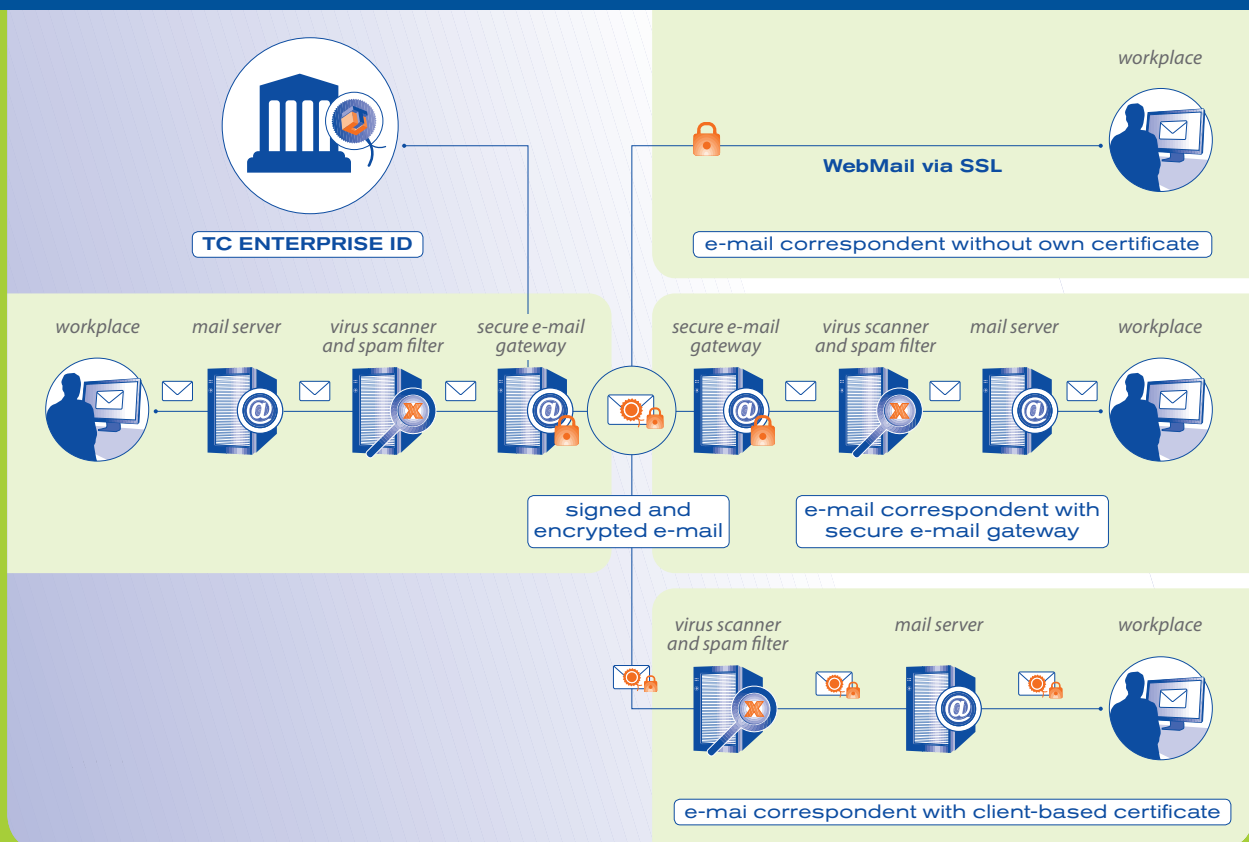
Confidentiality and authenticity without changing accustomed processes

If you choose a secure E-mail gateway, you can have authenticity, integrity and confidentiality for your email without undue complication. All the cryptographic processes required for security can be automatically implemented directly at the E-mail gateway.

No additional software installation on desktop clients or user training is required with this approach. In addition to the low setup and administration costs for this kind of central solution, it is possible to retain the existing communication processes for the help desk resources. Even if some of the users already have their own solution for signed and encrypted E-mails: secure E-mail gateways offer a suitable version for any communication partner.

As a result, most organizations find an organization-wide implementation of secure E-mail communication to be inexpensive and simple.

Example architecture of a secure E-mail gateway solution



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Modules for centrally controlled E-mail signature and encryption

▶ **Rules for secure E-mail communication**

It is not possible to achieve either a lasting implementation of basic security for electronic communication or to handle the related legal aspects without a defined policy for the use of E-mail. An effective policy must be formulated in an easy-to-understand manner, must take all workflows into account and must be communicated to all those involved. The ability to centrally control the policy via the secure E-mail gateway simplifies the organization-wide dissemination of this policy, as well as providing an effective check on its implementation.

▶ **A secure E-mail gateway for central control and monitoring**

The secure E-mail gateway is located at a central point in the network, and controls all cryptographic processes for encrypting and decrypting E-mail, as well as for digital signature and verification of the incoming and outgoing E-mail. The gateway is integrated as an additional component in a security architecture consisting of a virus scanner, spam filter and other components. It transparently provides protection from tampering as well as confidentiality for the user.

▶ **Certificates as the basis for digital signatures and encryption**

The standard encryption method, SMIME, uses X.509 certificates as a communication key. The integration of a TC Enterprise ID into the secure E-mail gateway solutions of the leading manufacturers makes it very simple to integrate certificates into the gateway. This integration enables the certificates to be automatically requested and installed into the E-mail gateway. Thanks to the root certificates from TC TrustCenter being already preinstalled in the most common browsers, the certificates are also seamlessly integrated into all common E-mail applications. This means that external communication partners can also directly trust your E-mail messages.

TC TrustCenter – our services

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| <ul style="list-style-type: none"> ▶ Predefined, simple workflows for requesting, issuing, and revoking certificates ▶ Interface for automated certificate management via the secure E-mail gateway ▶ Pay-as-you-grow model without hidden costs ▶ Globally recognized roots | <ul style="list-style-type: none"> ▶ International X.509 standard and ISIS-MTT-compatible certificate profiles ▶ Regularly updated validation information ▶ Clearly defined service level agreements ▶ Immediate issuance of certificates (following one-time registration of the organization) |
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TC TrustCenter – our secure E-mail gateway partners:



Features & Benefits

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| <ul style="list-style-type: none"> ▶ Central implementation of an organization-wide security policy ▶ Retention of accustomed communication processes ▶ Low administration costs ▶ Flexible communication options for the recipient | <ul style="list-style-type: none"> ▶ On-demand provision of PKI (Public Key Infrastructure) services ▶ Automated certificate rollout ▶ Fast commissioning and connection ▶ Central virus and content scan possible ▶ Easy-to-implement, representative rules |
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