# Secure Data Communication

## IT Services for Secure Communication and Collaboration of external Business Partner with Siemens

### Use Case

<table>
<thead>
<tr>
<th>Use Case</th>
<th>Secure File Exchange (SecuFEx)</th>
<th>SmartStorage / (Syncplicity)</th>
<th>E-Mail Encryption</th>
<th>SharePoint Global Collaboration Service-Portal</th>
<th>Workspace Strictly Confidential / Secure Data Room (SDR)</th>
<th>Siemens Teamcenter (TC)</th>
<th>Real Time Collaboration</th>
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<tr>
<td>Once Secure document exchange</td>
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<td>“We want to make a secure virtual meeting.”</td>
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<td>Continuous secure document exchange</td>
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### Secure collaboration

“We want to work jointly on the same documents.”

### Secure collaboration around PLM

“We want to work on same docs / data in PLM area, incl. Integrated, complex scenarios (e.g. Digital Twin).”

### Real Time Collaboration

“We want to make a secure virtual meeting.”

### Recommended IT Service

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<td>Max. Protection Class</td>
<td>“Confidential”</td>
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### Technical Prerequisites

- A temporary user account for sending files must be created by the Siemens business partner contact.
- User account at Syncplicity
- Prerequisites
- Implementation Guide of Email encryption
- Technical prerequisites
- PC settings
- Mobile phone or token for authentication
- Mobile phone for authentication
- TC Supplier Collaboration Foundation (SCF)
- Meeting shall be provided by Siemens contact

### User instructions and technical contacts

- SecuFEx Website
- Syncplicity Website
- Siemens PKI Website
- SharePoint Global Collaboration Service Portal Website
- SDR Website
- SCF Website
- Circuit

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1 Depends on local installation and configuration, maximum up to “Restricted”. Exact Protection Class needs to be verified with your Siemens contact.
2 With phone dial in Circuit can use with max. protection class “Restricted”. Without phone dial in Circuit can use with max. protection class “Confidential”.

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Definition

Business Partner (BP): in this context it is every external party with a business relationship to Siemens, without authorized access to Siemens Intranet (e.g. via Business Partner Access) and therefore with no access to Siemens internal IT Services.

Situation

The exchange of information with Business Partners is our daily business. In some cases, data and documents (like costs, contracts or technical documents) are classified as "confidential" or even "strictly confidential". To ensure secure communication and collaboration of such information, this use case based IT Service overview has been created. It helps Siemens end user as well as their Business Partners to identify the respectively adequate Siemens IT Service, to know where to order it and how to use it. Please, be aware that IT Services for specific business processes (e.g. electronic data interchange via EDI) are still leading and the overview should only cover remaining use cases (e.g. for which so far unencrypted email process has been used).

Threat

Non Disclosure Agreements (NDAs) and the Siemens "Rules for Business Partners" define the right handling of confidential information, but do not contain concrete IT solutions for the implementation of the regulations.

That leads to the risk that, although the Information Security requirements are known, they might not be implemented correctly or completely.

Behavior

What to consider as a business partner when sending an email with SecuFEx:

The Business Partner needs a temporary account for SecuFEx to send data to a Siemens employee. This temporary account can be created and administrated by each Siemens employee. Users of the SecuFEx service shall comply with all applicable national and international (re-) export control regulations.

What to consider as a business partner when receiving a virtual conference or Circuit invitation from a Siemens employee:

The Business Partner must ensure that there are no prying eyes and eavesdroppers in the virtual meeting. Furthermore, the Business Partner is not allowed to make hardcopies from the screen, if confidential information is shown. During virtual meeting sessions open only those applications and documents that are relevant to your respective meeting and avoid sharing the complete desktop. Furthermore, no confidential documents shall be uploaded to the virtual meeting server.

Further Information

Siemens Global Webpage
http://www.siemens.com

Supplier at Siemens
http://www.siemens.com/scm/collaboration

Siemens Condition of Purchase
http://www.siemens.com/procurement/bb

This list highlights important topics.

Please note, however, that the list is not exhaustive and that all general cybersecurity regulations also apply.