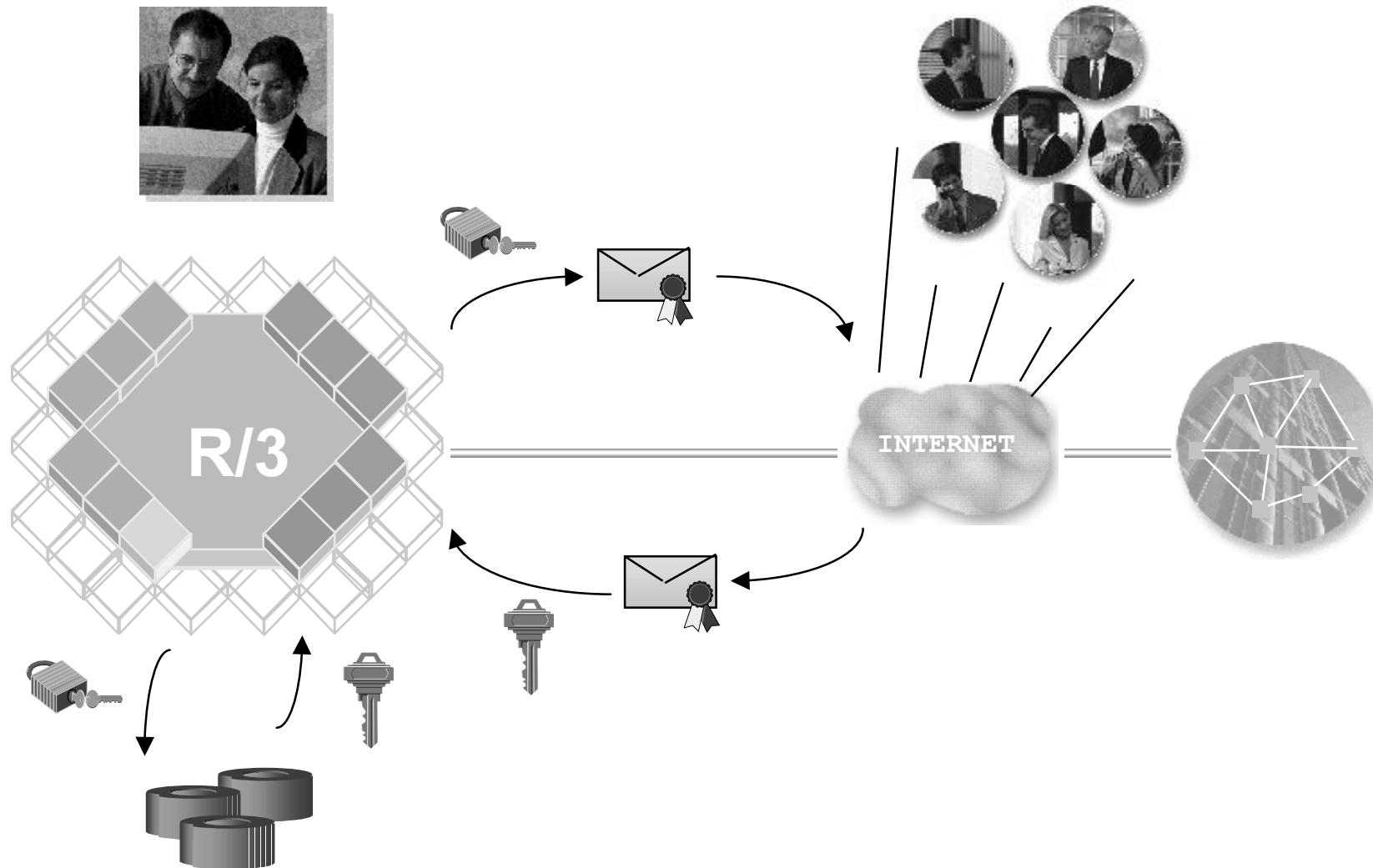
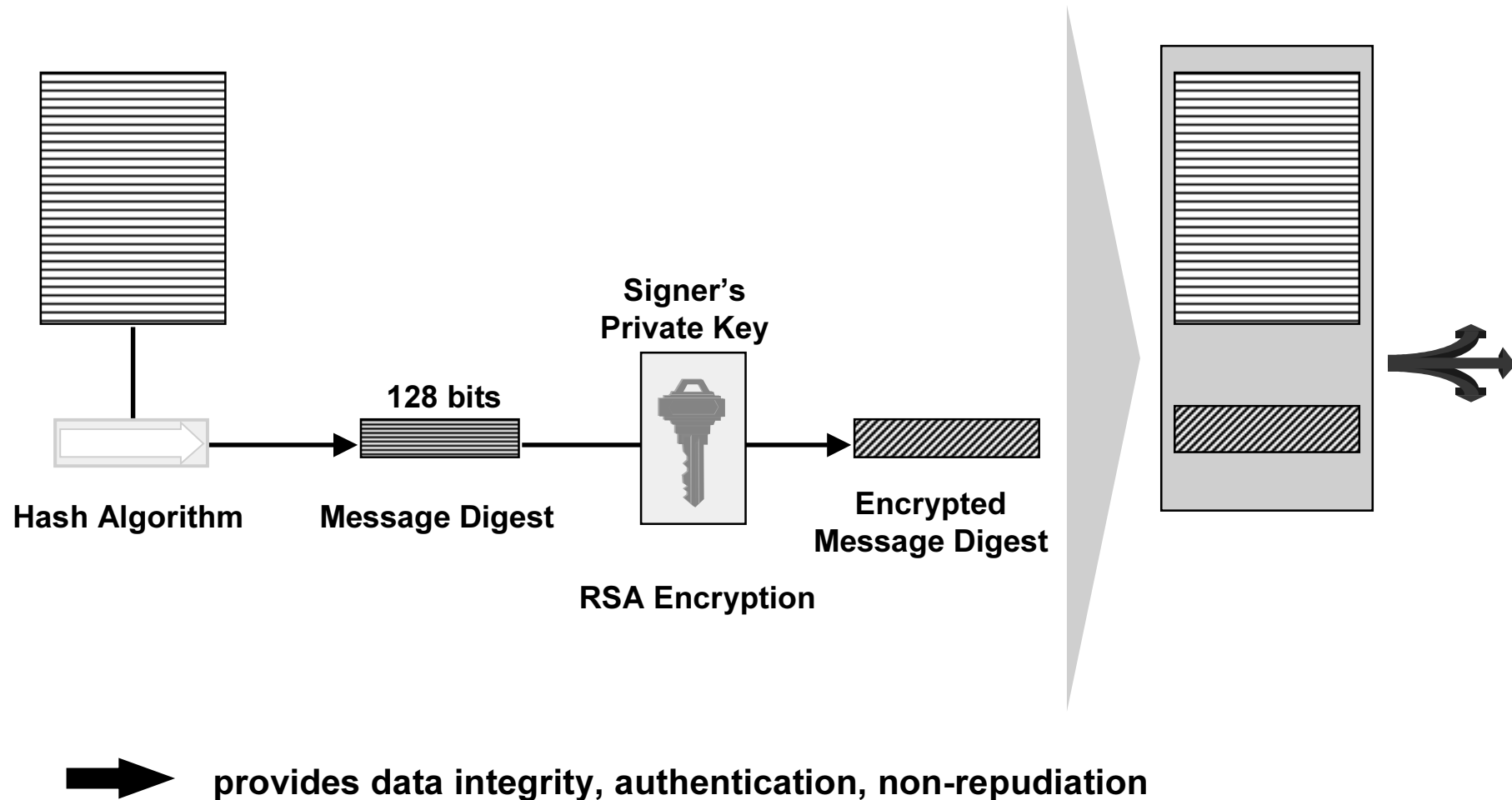
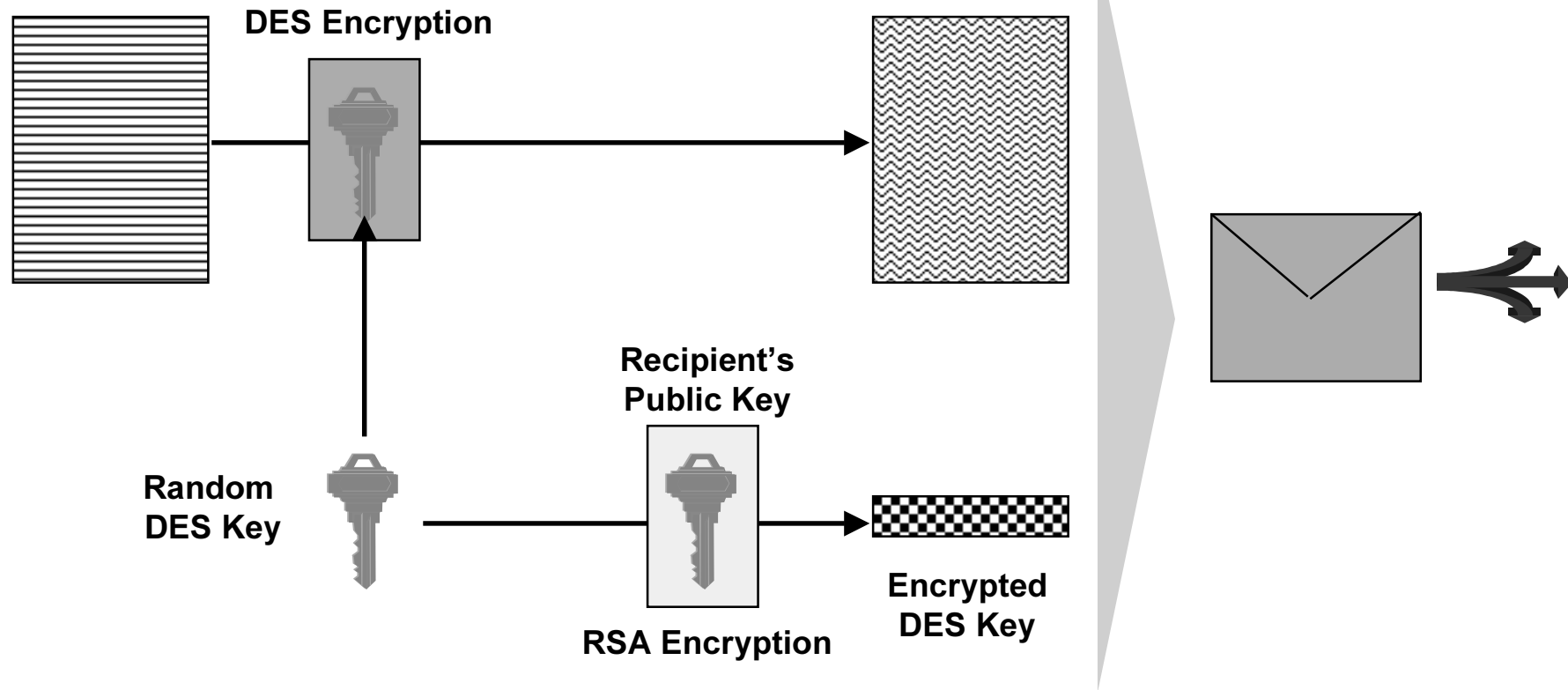


# Secure Store & Forward (SSF)

SAP



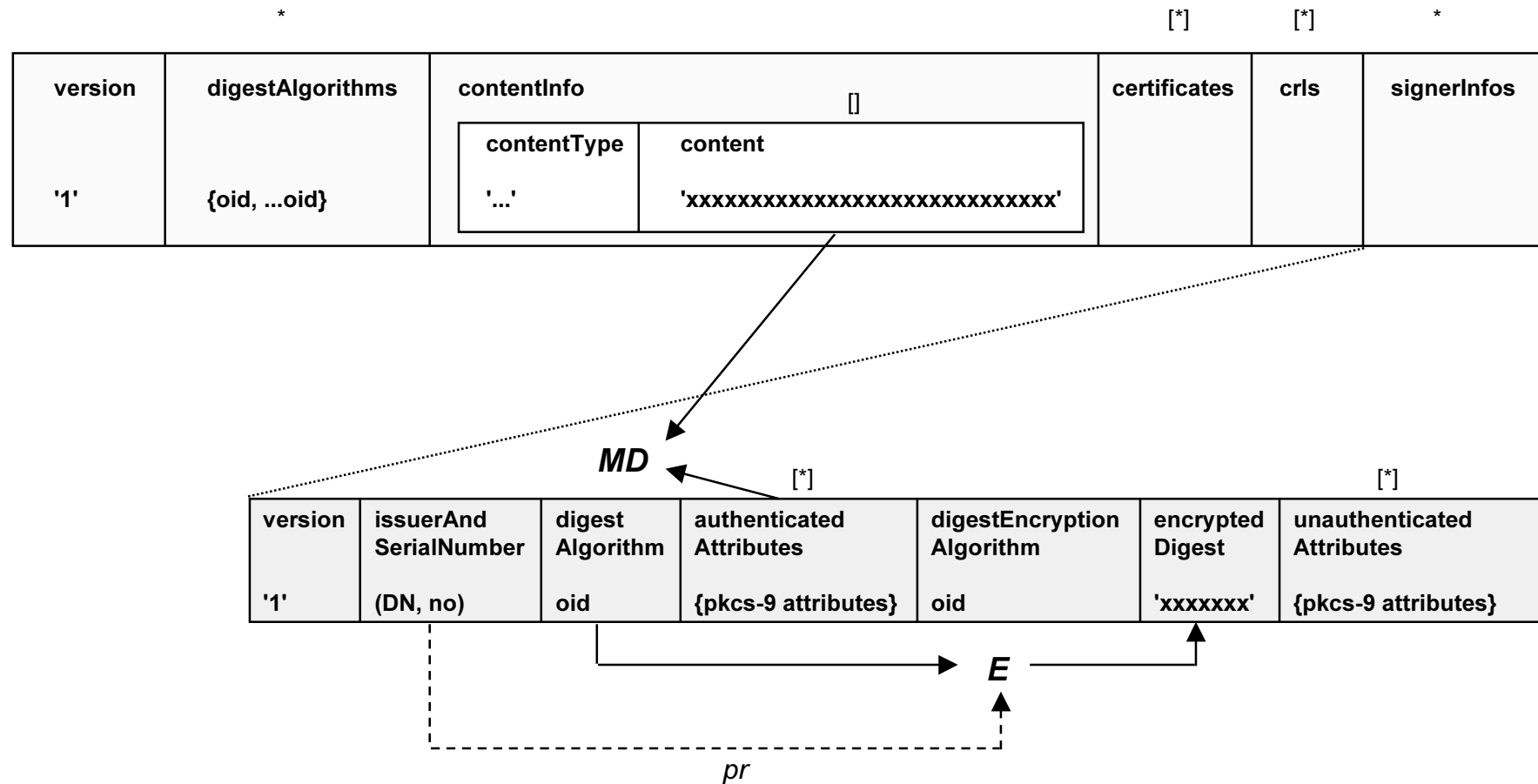


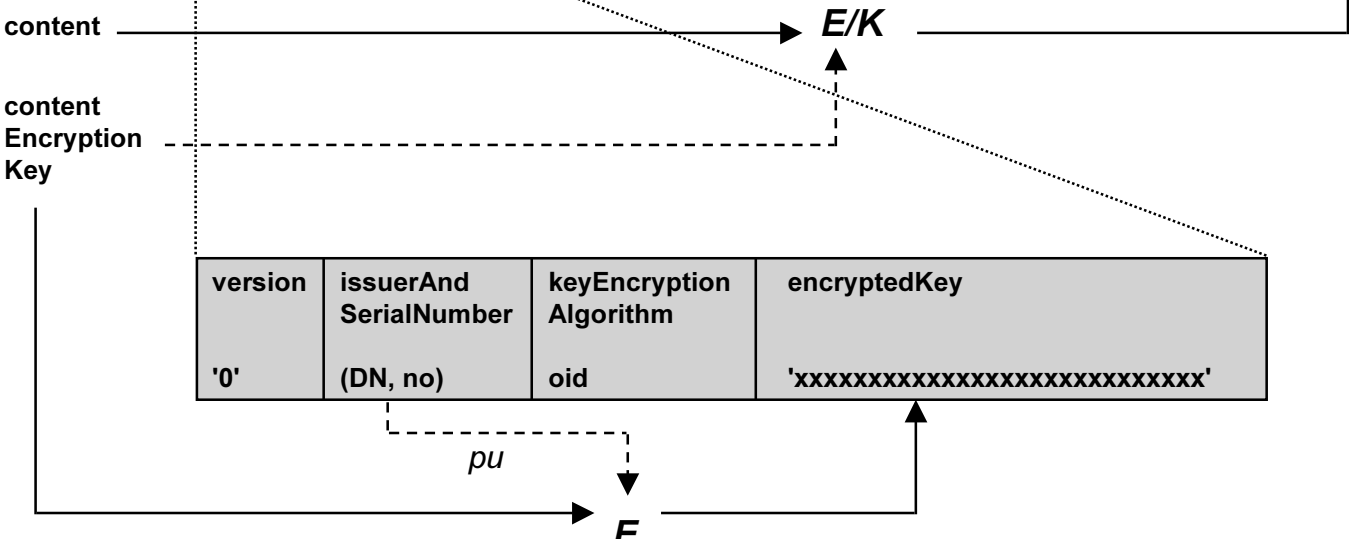


➡ provides privacy (confidentiality)

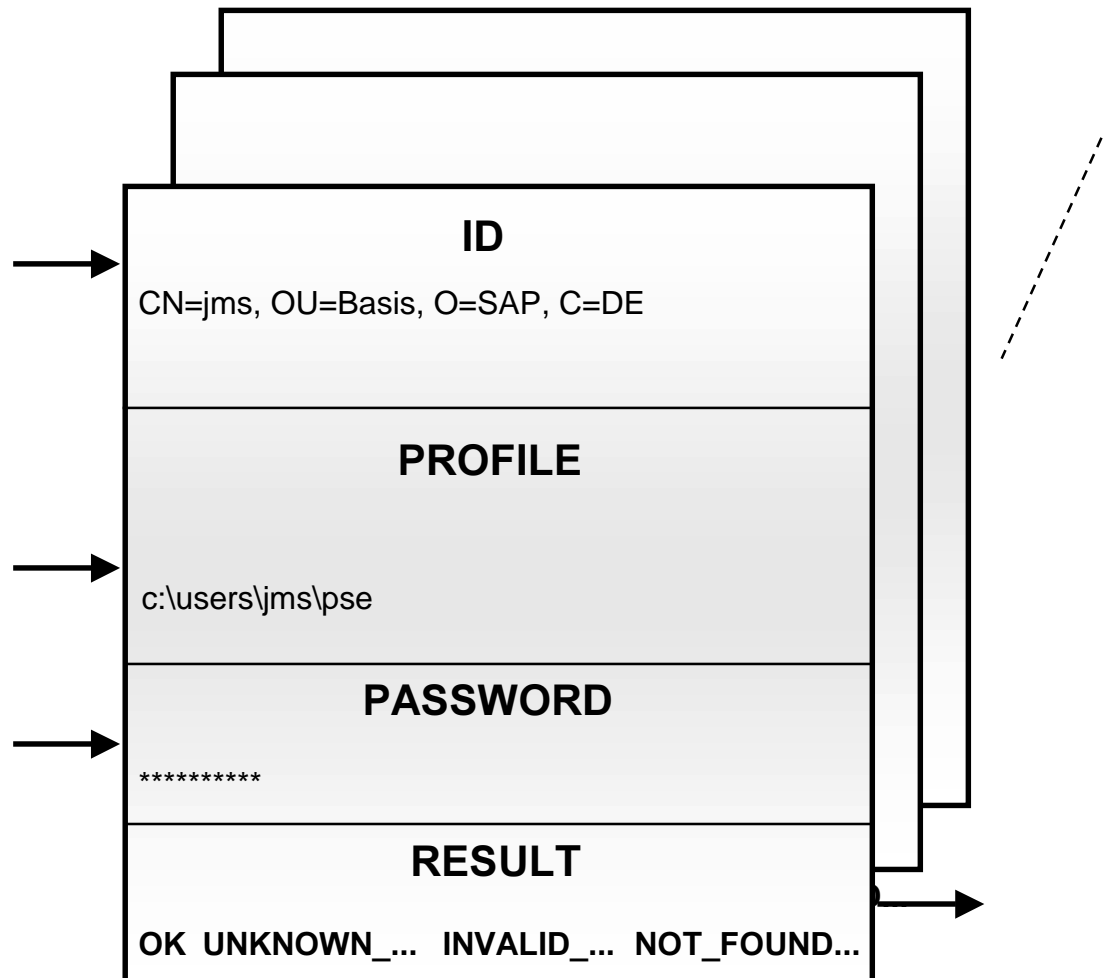
- **Data**
- **SignedData**
- **EnvelopedData**
- **DigestedData**

# PKCS#7 "Signed-data"





- **SsfEncode**
- **SsfSign**
- **SsfEnvelope**
- **SsfAddSign**
- **SsfVersion**
- **SsfDecode**
- **SsfVerify**
- **SsfDevelope**
- **SsfDigest**
- **SsfProperty**





- **SSF\_SIGN** create digital signature(s)
- **SSF\_VERIFY** verify digital signature(s)
- **SSF\_ENVELOPE** encrypt for recipient(s)
- **SSF\_DEVELOPE** decrypt for recipient
- **SSF\_ADDSIGN** add a digital signature
  
- **SSF\_KRN\_...** done directly by the AS

call function 'SSF\_SIGN'

exporting

ssf\_dest = 'SAP\_SSFATGUI'

str\_format = 'PKCS7'

b\_inc\_certs = '' (or 'X')

b\_detached = '' (or 'X')

ostr\_input\_data\_l = ...

importing

ostr\_signed\_data\_l = ...

tables

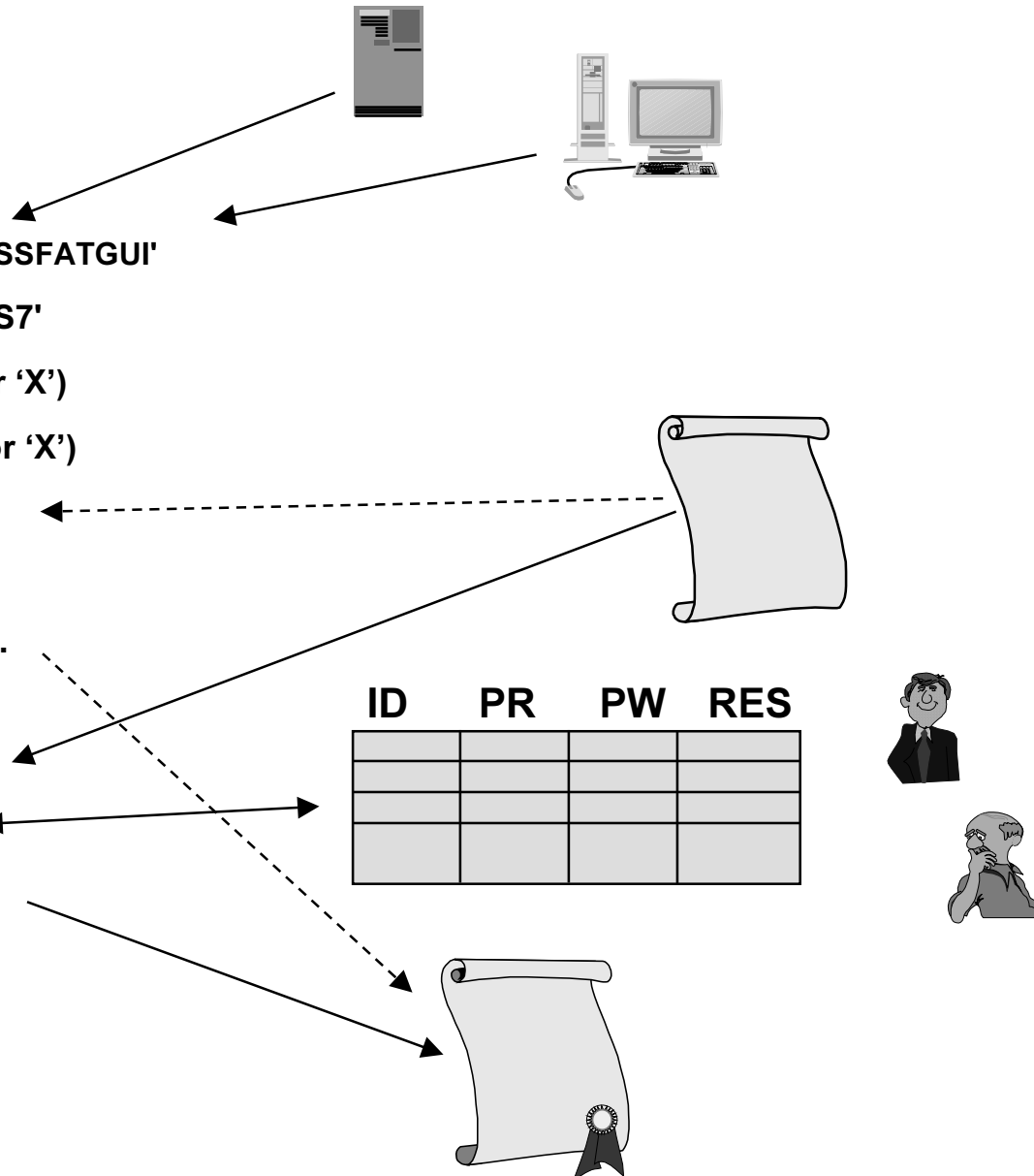
ostr\_input\_data = ...

signer\_list = ...

ostr\_signed\_data = ...

exceptions

...





call function 'SSF\_ENVELOPE'

exporting

ssf\_dest = 'SAP\_SSFATGUI'

str\_format = 'PKCS7'

ostr\_input\_data\_l = ...

str\_pab = ...

str\_pab\_password = ...

importing

ostr\_enveloped\_data\_l = ...

tables

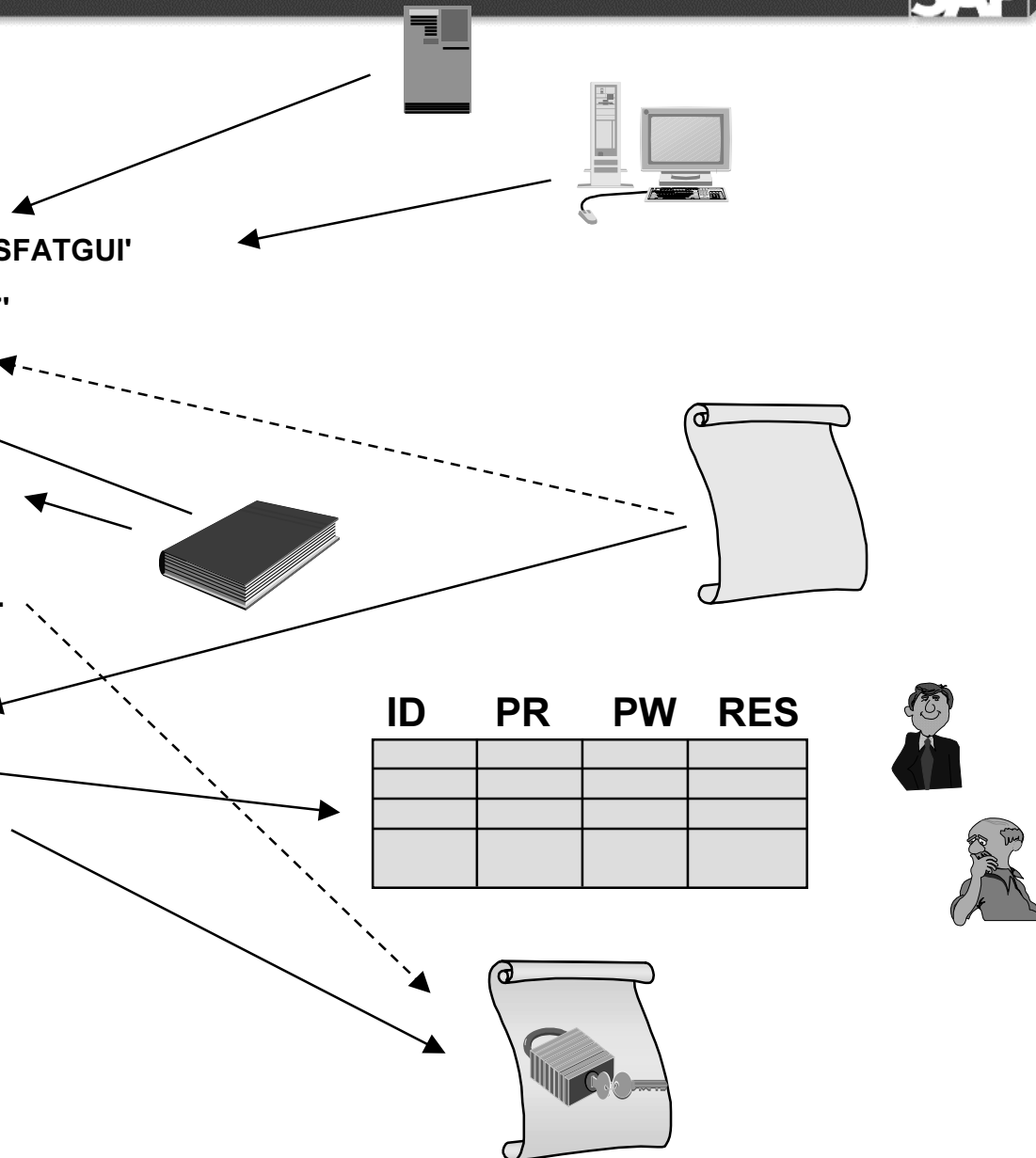
ostr\_input\_data = ...

recipient\_list = ...

ostr\_enveloped\_data = ...

exceptions

...



call function 'SSF\_DEVELOPE'

exporting

ssf\_dest = 'SAP\_SSFATGUI'

str\_format = 'PKCS7'

ostr\_enveloped\_data\_l = ...

importing

ostr\_output\_data\_l = ...

tables

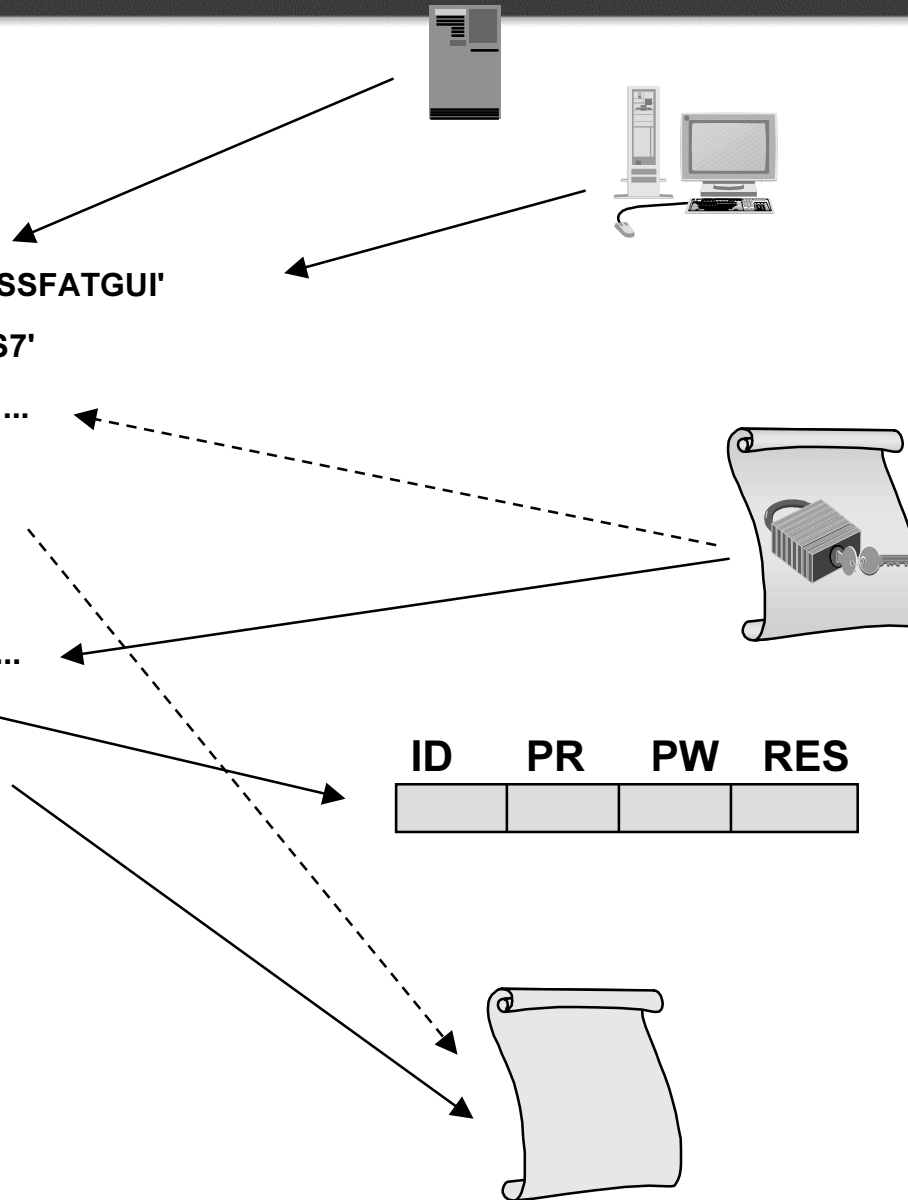
ostr\_enveloped\_data = ...

recipient = ...

ostr\_output\_data = ...

exceptions

...



# SSF Signer/Recipient Internal Table



ID	PROFILE	PASSWORD	RESULT
CN=jms, OU=Basis, O=SAP, C=DE	c:\users\jms\pse	*****	OK
CN=alice, OU=Basis, O=SAP, C=DE	\\sc-dev1...	*****	UNKNOWN_...
CN=bob, OU=FI, O=SAP, C=DE	d:\users\bob\pse	*****	INVALID_...
CN=tom, OU=Basis, O=SAP, C=DE	\\sc-dev2...	*****	NOT_FOUND...

(DDIC Structure: SSFINFO)