

Fax Server Component – Requirements

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Abstract

The purpose of the Requirements specification is to define requirements for the Fax Server Component completely, consistently and unambiguously. These requirements should be agreed with the Product Management before passing on to the Design phase.

1 Environment

1.1 Software

1.1.1 Server

Target for the server part of the component is common code base for SUSE Linux Enterprise family of products (CODE) 9.

1.1.2 Workstation

Target for the client part of the component is CODE9 or any of currently supported versions of Microsoft Windows.

1.2 Hardware

1.2.1 Server

1.2.1.1 Computer The computer hardware requirements/compatibility are based on the requirements of CODE 9. The component will run with the lowest configuration required for CODE 9, i. e. computer with 1 CPU, 128 MB RAM and 512 MB HDD.

For the purpose of the definition of the component the computer with CODE 9 installed is planned to play role of:

- LAN or Internet server for a network of maximum 20 workstations with connection to Public Telephone Network (PTN) (*PrjMgr: What countries' PTNs should be supported?*).

1.2.1.2 Device The component will use local correctly configured analog modem or ISDN card supported by CODE 9.

For analog modem it is device compatible with AT command set.

For ISDN, the CAPI a fax services must be supported by the card and the card itself must be supported by Linux CAPI driver.

Constraint: Some functions will be available only on ISDN modems.

1.2.2 Workstation

The workstation must be capable of running the CODE9 or the respective installed version of Microsoft Windows and must be equipped with correctly configured Ethernet card supported by installed operating system and local LAN infrastructure.

(*PrjMgr: Are there any other requirements?*)

2 User

2.1 Skill Level

The component will be administered by person with minimal Linux knowledge and possibly basic Microsoft Windows administration skills. The configuration of the component will be performed exclusively in YaST supported user interfaces.

The component will be used by user with the computer knowledge limited to basic operations in Microsoft Windows and Microsoft Office programs. The component's interface must be simple enough, to allow the user to access at least rudimentary functions.

2.2 Language

The component will be operated by English or German speaking user. The language used will depend on the default language of CODE 9 and the visible subcomponents of the component will support it. Other subcomponents of the component will support at least English language. Extended language support in the subcomponents is optional as well as the support of other languages than English and German.

3 Functions

3.1 Configuration

The configuration of the component and the detection of the device on the server will be performed by YaST. The configuration of component's functions will allow the user to:

1. select at least one correctly configured device for the exclusive usage by Fax Server component,
2. manage Fax Server user accounts,
3. configure inbound and outbound Fax Server services.

3.2 Fax Server Services

3.2.1 Inbound

Faxes incoming on the devices will be received by the Fax Server and depending on inbound service configuration either emailed as an attachment to one or more Fax Server users or printed to one or more system printer queues.

3.2.2 Outbound

Fax Server will accept a faxes from the authorized users and attempt to deliver them at the user specified target destination located in the PTN.

It will provide the user with the information on the status of the delivery via email

3.2.3 Other

Fax Server will provide the Fax Server users with possibility to check status and/or remove not yet processed outbound faxes.

3.3 Fax Client Access

There will be no significant differences in using Fax Server either from workstations running CODE9 or Microsoft Windows, mainly from the point of view of users' experience.

No Fax Server specific client software will be installed on the workstation. System changes in the workstations' configurations are possible.

4 Performance

The server part of component must correctly service 20 users simultaneously.

5 Security

Only server's superuser will be allowed to configure the server part of component.

The user will be authenticated and authorized to access only services and data allowed by the administrator through the configuration.

6 Constraints

The Fax Server's functionality may be limited if the device is analog modem as opposed to the ISDN card, but at least basic functionality in all categories of the services must be achieved.