

Cloud printing requirements.

For purpose of discussion the following scenario applies. This sets a scenario where a transversal is required between the user and the cloud print provider, and between the printer and the cloud print provider.

- A. User is not part of the cloud print provider domain and is not directly connected to the printer domain.
- B. Printer is not part of the cloud print provider domain.

User side

1. User must be able to connect to the cloud print provider from a variety of devices, operating systems, and applications.
2. User must provide acceptable credentials to the cloud print provider
3. User must be able to select the print destination.
4. User must be able to submit a print job including a document (direct or by reference) and the print job attributes.
5. Cloud print provider must return a response that indicates the submission is acceptable or rejected.
6. Cloud print provider must return a status of printing completed, or the print job failed.

Print destination side

1. Printer must be registered with the cloud print provider
2. Printer must provide to the cloud print provider it's attributes, including supported document formats, paper sizes and types, finishing options, and operational status.
3. Printer must initiate all communications with the cloud print provider (maybe?)
4. When the cloud print provider has a job available for printing, the printer must return acceptance or rejection of the job.
5. Printer must return operational status when requested
6. At end of printing, printer must return a completion status
7. If unable to complete job, or job is canceled, printer must return status indicating such activity occurred.