

Customer-On-Premise

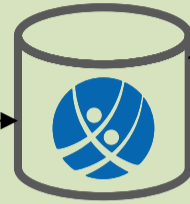
Required To Login:
(configured once)
- SQL-Servername
- Username
- Password
- Database-Name

Usually not exposed
to the Internet.



CCA9-Workstation

SQL-Connection



CCA-Database

Share a common
network with the
database server

File-Storage and Email-Integration

Customer-Provided Office-365 Integration

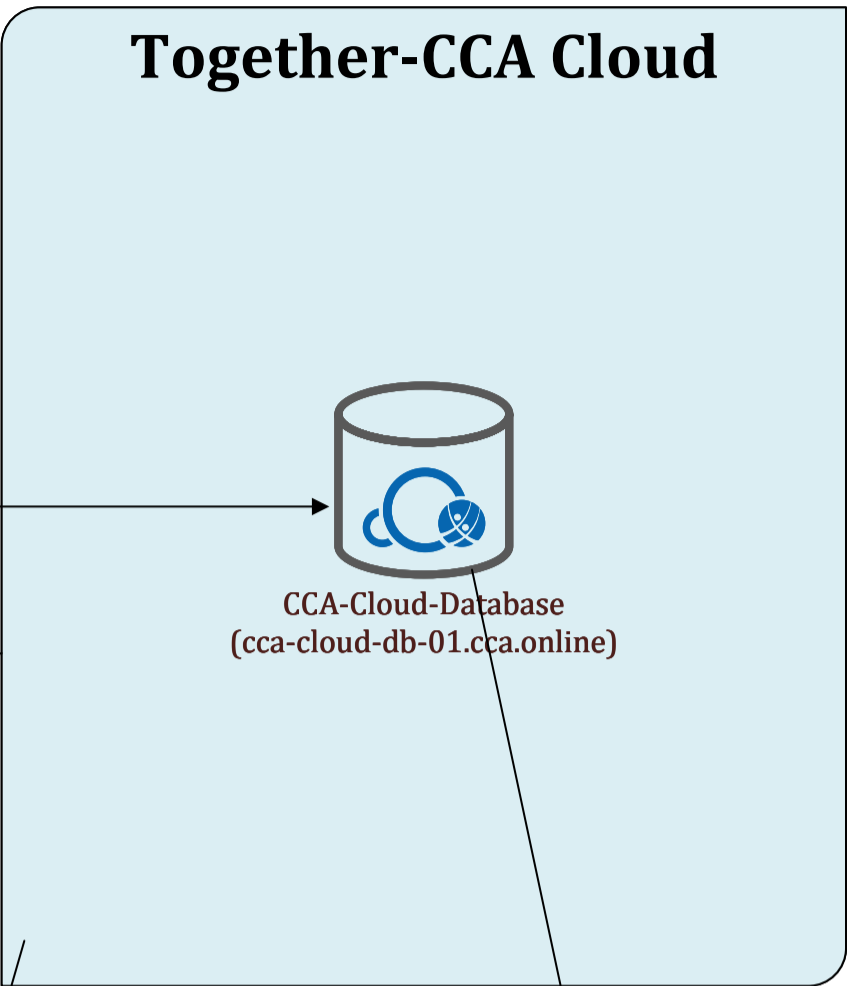
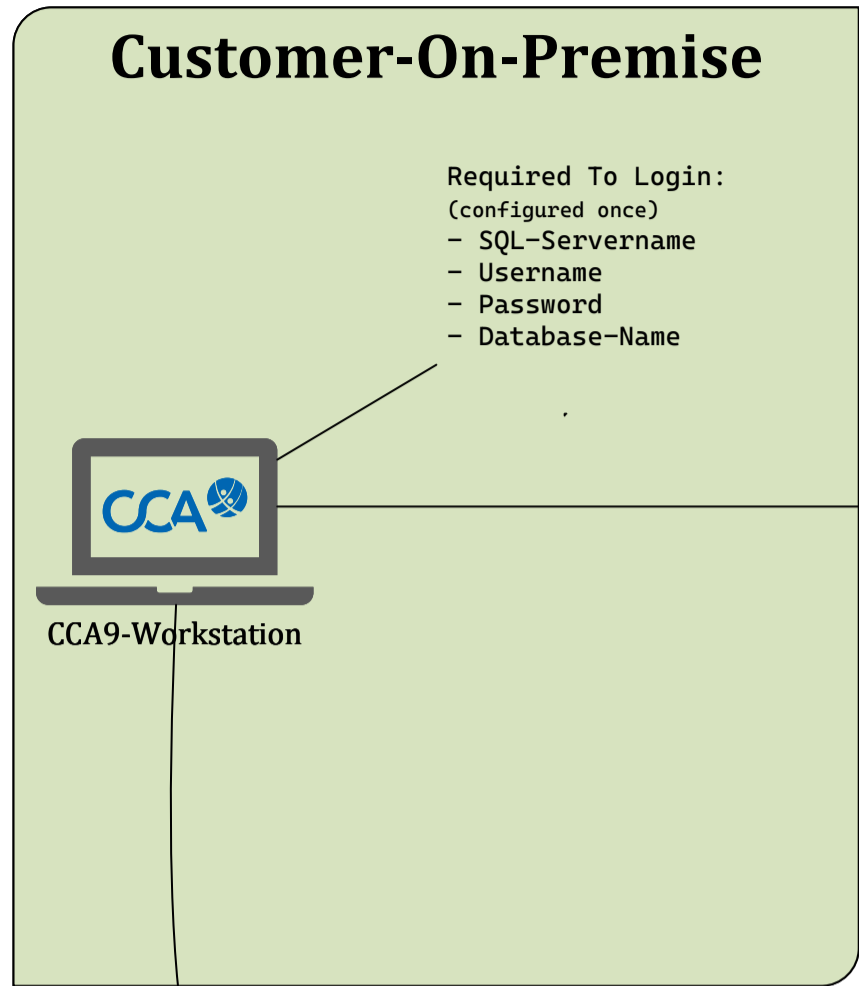


Customer-Provided
Sharepoint Server



Customer-Provided
Exchange Server

Text



Connection-Security 1)
plain-text sql-connections might leak information / passwords

SQL-Connection

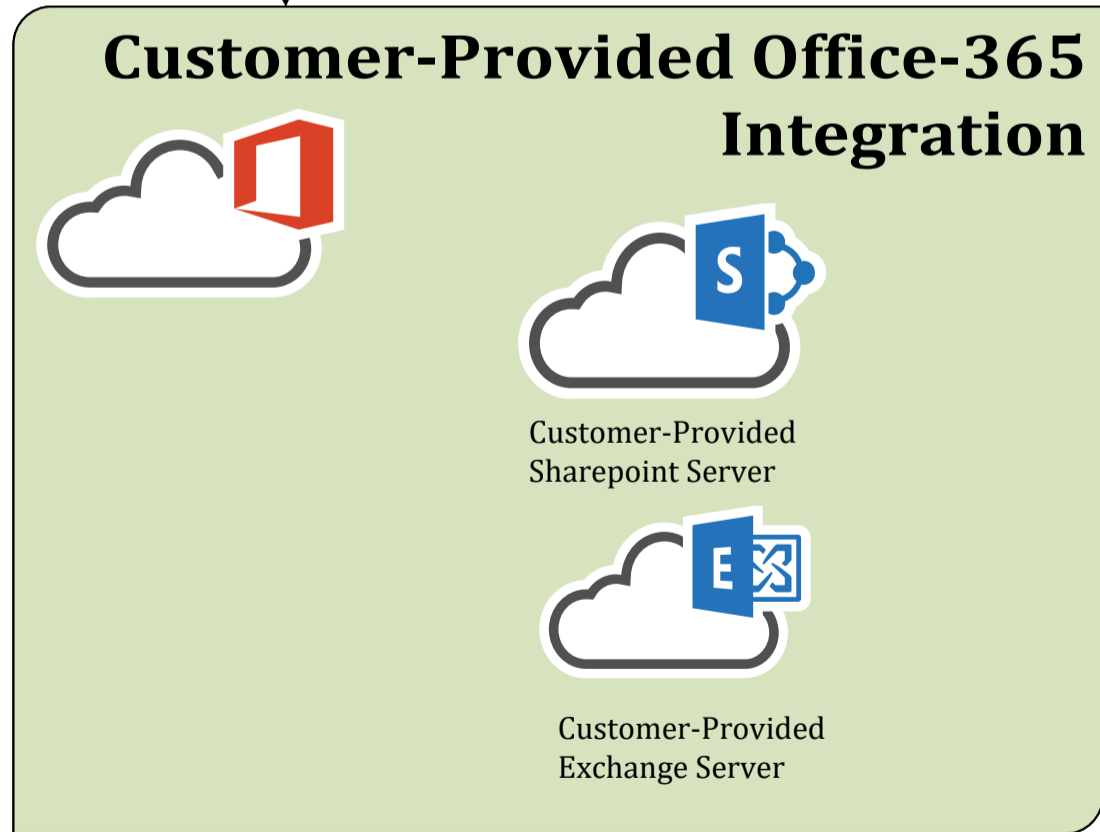
Connection-Security 2)
Database is accessible to the public

Connectivity 1)
- SQL-Servername must not change
- SQL-Username must not change
- SQL-Password must not change
- Database-Name must not change

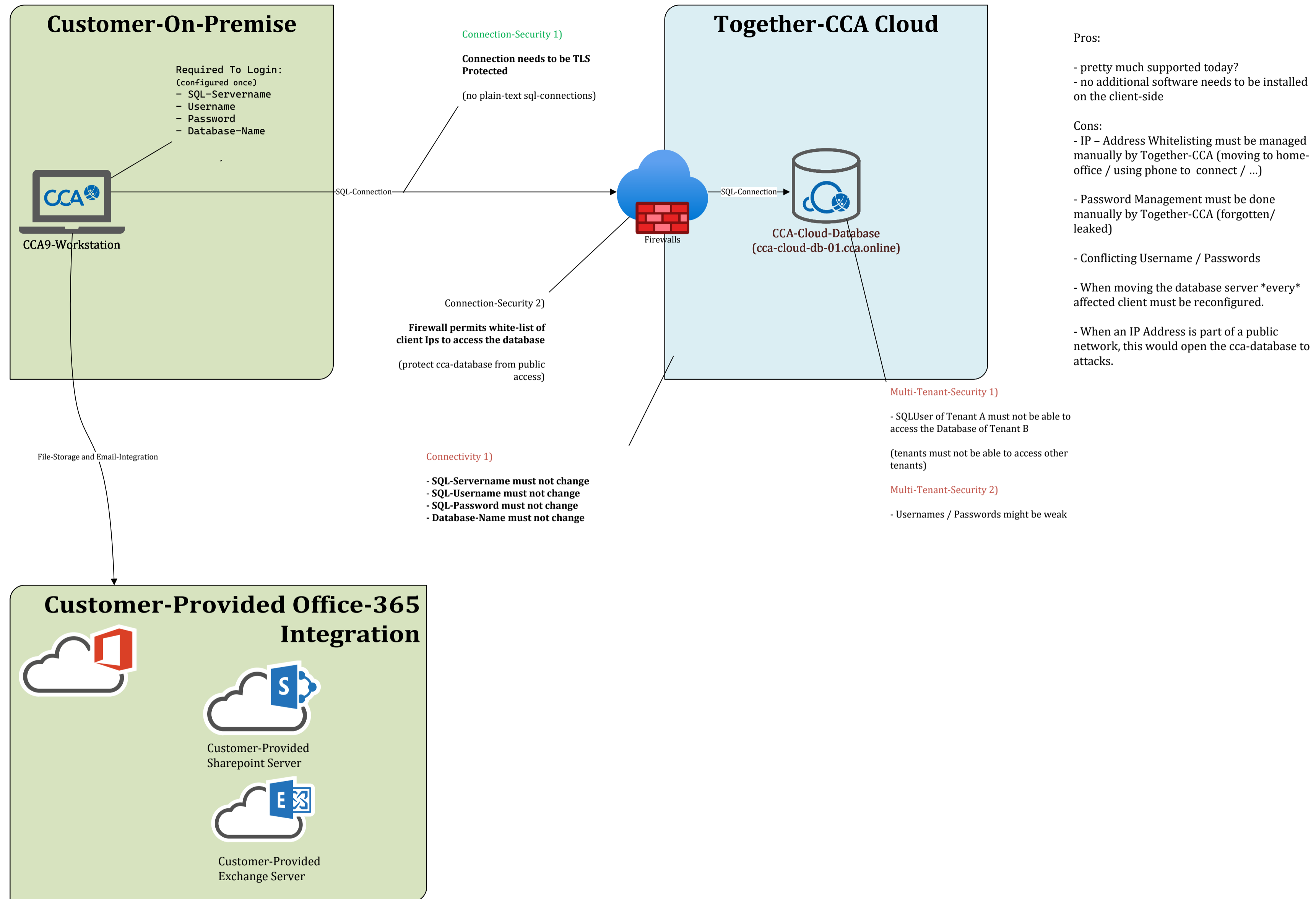
Multi-Tenant-Security 1)
- SQLUser of Tenant A must not be able to access the Database of Tenant B
(tenants must not be able to access other tenants)

Multi-Tenant-Security 2)
- Usernames / Passwords might be weak

File-Storage and Email-Integration



Simple Security Measures



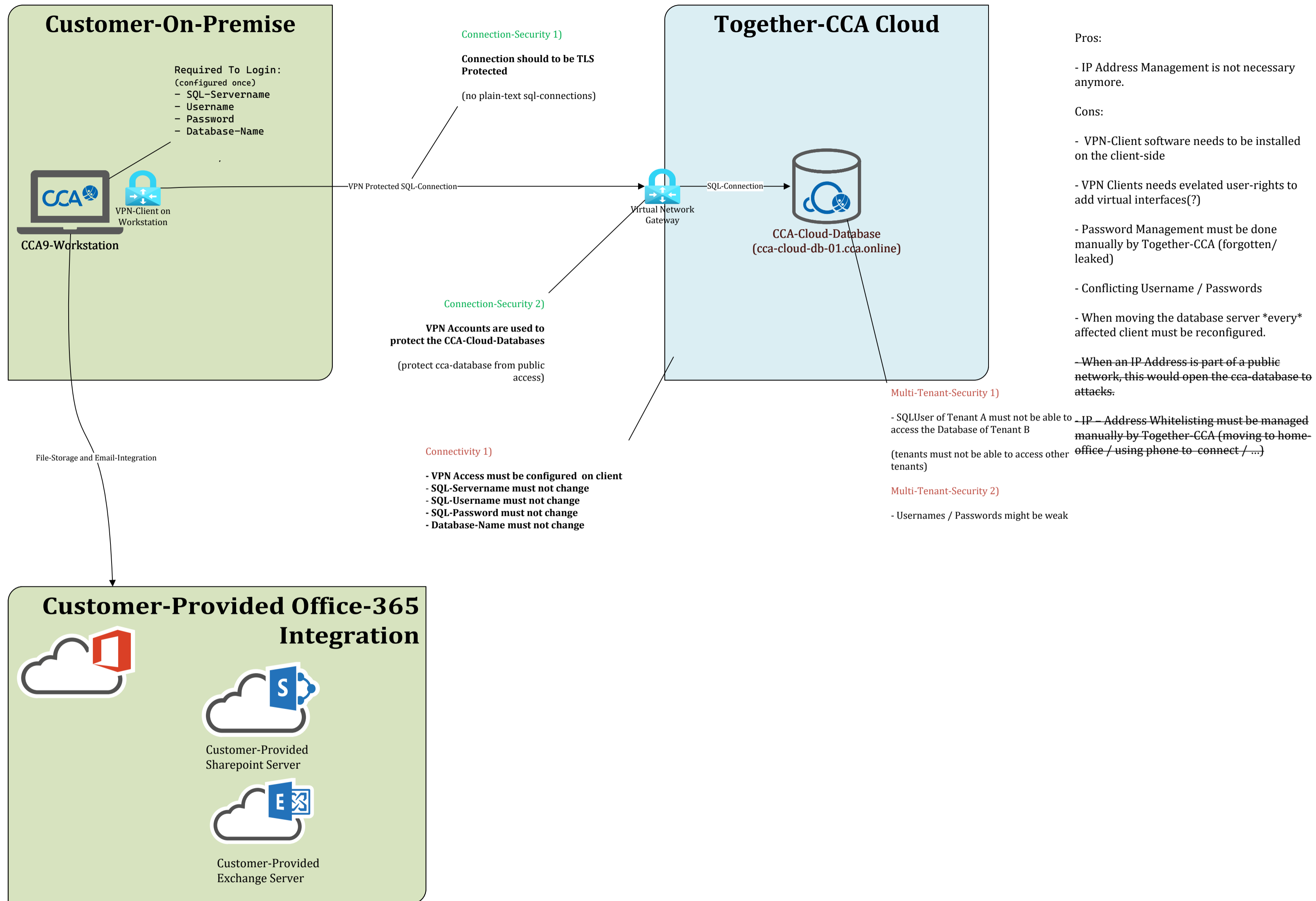
Pros:

- pretty much supported today?
- no additional software needs to be installed on the client-side

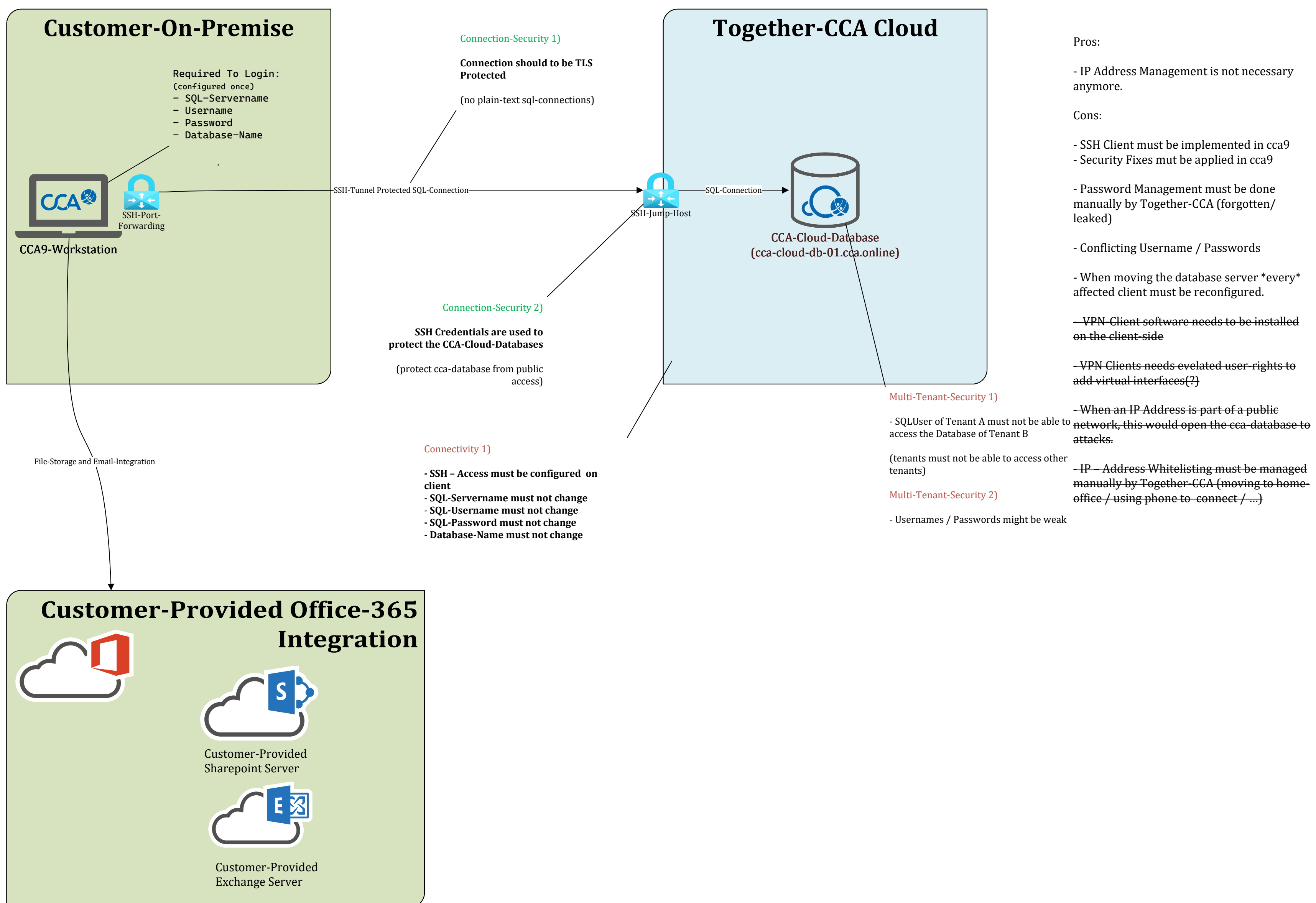
Cons:

- IP - Address Whitelisting must be managed manually by Together-CCA (moving to home-office / using phone to connect / ...)
- Password Management must be done manually by Together-CCA (forgotten/ leaked)
- Conflicting Username / Passwords
- When moving the database server *every* affected client must be reconfigured.
- When an IP Address is part of a public network, this would open the cca-database to attacks.

VPN – Client for Protecting Together-CCA-Cloud



SSH-Port-Forwarding for Protecting Together-CCA-Cloud



Together-Login + fetching Configuration

