



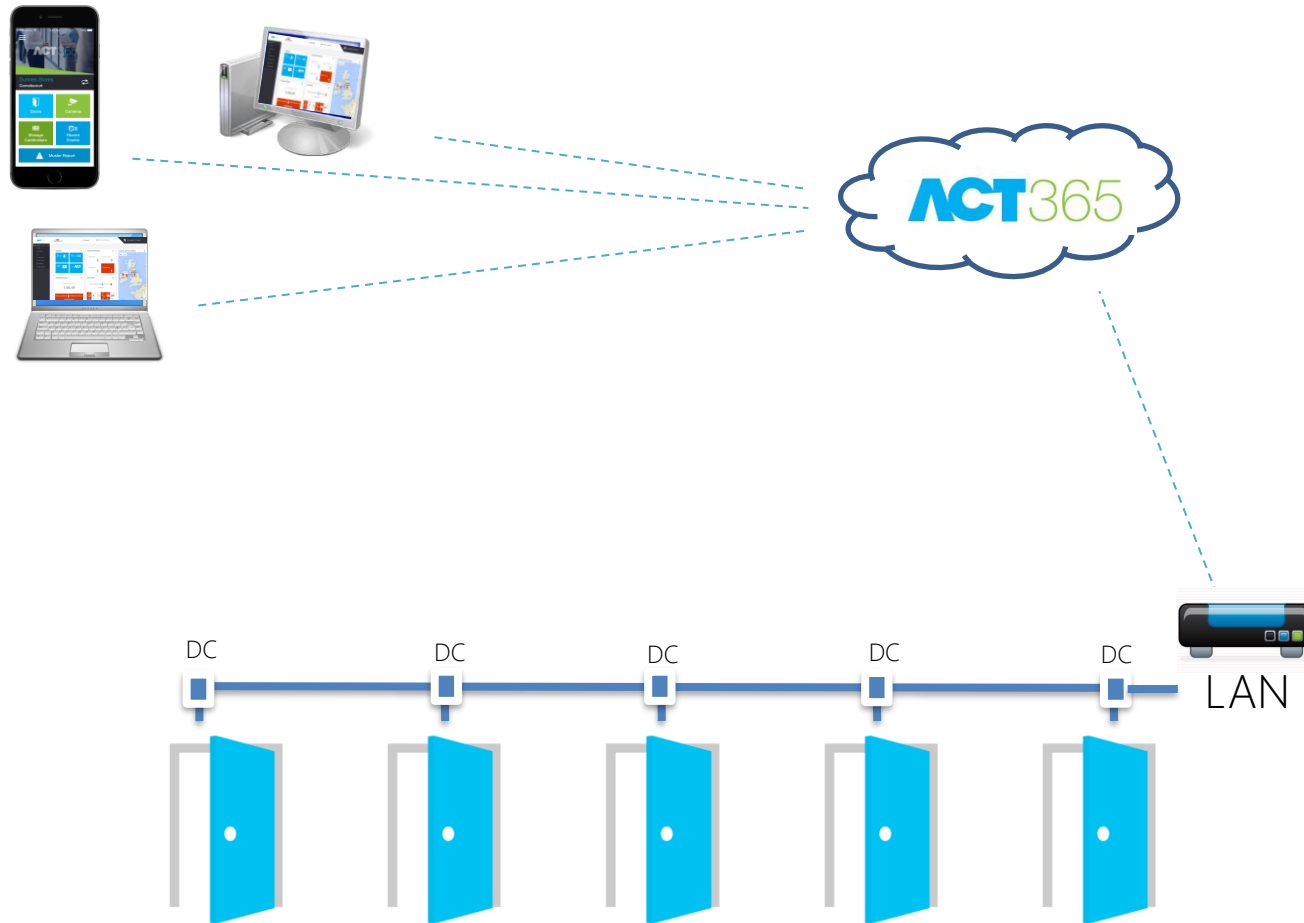
ACT365 Cloud Access Control Technical Training



- Cloud Access Control
- Security measures
- System Architecture
- Hardware
- Readers

- ACT365 registration
- Adding a customer
- Add an ACU
- Creating Timezones
- Creating doors
- Creating Door Groups
- Creating Cardholder Groups
- Create a Cardholder
- Reports
- Other

Cloud based access control





ACU:

- Encrypted storage of the database without personal data
- AES 256 bit encrypted comms
- Proprietary encrypted data



ACT365 servers:

- Database storage TDE encrypted
- MS Azure platform
- Backup in EU
- AES 256 bit encrypted comms



ACT365 portal:

- Https connection with SSL encryption
- Username & Password
- AES 256 bit encrypted comms

VANDERBILT

- Access to ACT365 data is whitelisted
- MS Azure detection tools
- Pen tests by NCC Group (UK)
- [Trust.act.eu](https://trust.act.eu)



- Storage in EU (Ireland)
- Many compliancy standards, e.g. ISO27001, SOC 1, 2
- Very high Uptime 99,999xxx%

System Architecture



LAN



LAN



Max distance between devices 100m



From	TO	Network	Cable	Length
LAN	ACU	TCP/IP	Cat5/6	100 m
ACU	Readers	Wiegand/ Clock/Data	10 aders, shielded	100 m
ACU	ACU	TCP/IP	Cat5/6	100 m



Steps to go over:

- ACT registration
- ACT365 signup (installer)
- Adding a customer
- Adding an ACT365 ACU
 - Explain status, controlling the door relay
- Time zones
 - Explain use, switching nights
- Configuring a door
 - Explain operation logging option, AUX relay, timed actions
- Doorgroups
 - Logical collection of doors (within a site or over multiple sites)
- Cardholder Groups
 - Options, Access Rights settings, APB settings
- Adding a Cardholder
 - Cardholder options, adding to Cardholder group(s), local and 'all sites'.



Further steps to go over:

- Customer settings
 - Applies to all sites of a specific customer
 - User Field settings
- Holidays
 - Multiple days per 'Holiday Type'
- Site Settings [setup per site!]
 - Perimeter door group for attendance/absentee
 - Fire door group
 - Anti passback door group [APB is hard APB, but always exit]
 - Muster reports
- ACU Cluster for APB
 - IP addresses need to be set to FOXED for use of ACU Cluster
- Manage Sites – ACT365 users and Notification settings
 - Notification settings for installer
- Settings – Cardholder import
- Reports
- ACU's removing/replacing/reprogramming
- Login end user
 - Installer permissions
- Account levels
- ACT365 app functions



ACT365 timezones

- Max. 8 time periods per timezone
- Night/Day switch by setting End time: 23.59, next period starts next day 00.00

's Nachts Ma-Vr 22-04	✘	Kantoor Benelux 22:00-23:59 Mon, Tue, Wed, Thu, Fri 00:00-04:00 Tue, Wed, Thu, Fri, Sat	✔
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Operations:

- Interlock [output OP3 is active as long as door is open. Door of connected ACU(s) cannot be opened as long as input AUX 1 is not idle. Door contact needs to be connected.]
- PIR [sort of REX but then opens door as long as input AUX1 is active]
- Toggle [Door status toggled upon valid card]
- Access only [Main relay only opens on a Entry event. Use the AUX relay for Exit control at e.g. turnstiles.]
- Breakglass [door opens when break glass input is active]
- Tamper in log
- Mains fault in log
- Contact monitoring on or off
- Unlock First Access [door opens only after first valid card has been presented]

- Door statuses: Normalise, Unlock, Lock



Cardholder groups give rights to door group(s) during a timezone(s)
Antipassback can be set per Cardholder group and per site (at site settings)
Toggle relay and Group PIN options can be set per group

Cardholders can be part of multiple cardholder groups

