Quarantine Zone
Software License

Quarantine Zone is primarily for hospitals or other facili-ties where it is required to fulfil hygienic norms based on quarantine time of persons as they passes thru dif-ferent areas.

The aim is to limit cardholders to enter into restricted areas by collecting what he/she passed in last hours or days and applying quarantine time for certain areas as defined by administrator..

Performance

A Quarantine Zone are divided into several Barrier Zones which all have card readers defined for entrance (Input-Readers) and card readers defined for exit (Output Readers) the zone. A card reader can only be added into one zone at a time. Card Holders use In-Reader to enter zone and Out-Reader when he leaves. Af-ter he left zone a pre-defined time will start that blocks him from entering other zones. All timings are configurable depending on from which zone you are leaving and to which zone you would like to enter.

To be able to configure access restrictions between se-veral different areas it is necessary to create three object types, Quar-antine Barrier, Barrier Zone and Quarantine Type, which will be described below.

There is no limit how many Quarantine Zones that can be creat-ed in the system and they can be spread over several C-Nodes.

> Barrier Zone – The role for a Barrier Zone is to regis-ter card holders based on proper evaluation of access events coming from entrance and exit card readers. There can be a mixture of card readers when it comes to where they belong and they can be spead over different C-Nodes.
A Barrier Zone is built up by a number of card readers defined as Input or Output Readers

> Quarantine Type – This object defines Quarantine Times be-tween different Quarantine Types.
After a card holder left the Barrier Zone which is a part of Quaran-tine Barrier the Quarantine Time as defined by this object starts. Quarantine Type contains relations to other Quarantine Types with Quarantine time.

> Quarantine Barrier – The main role for a Quarantine Barrier is to keep the records about card holders and their Quarantine Times as they were passing between Barrier Zones.
A Quarantine Barrier contains a number of Barrier Zones with associated Quarantine Types.

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