



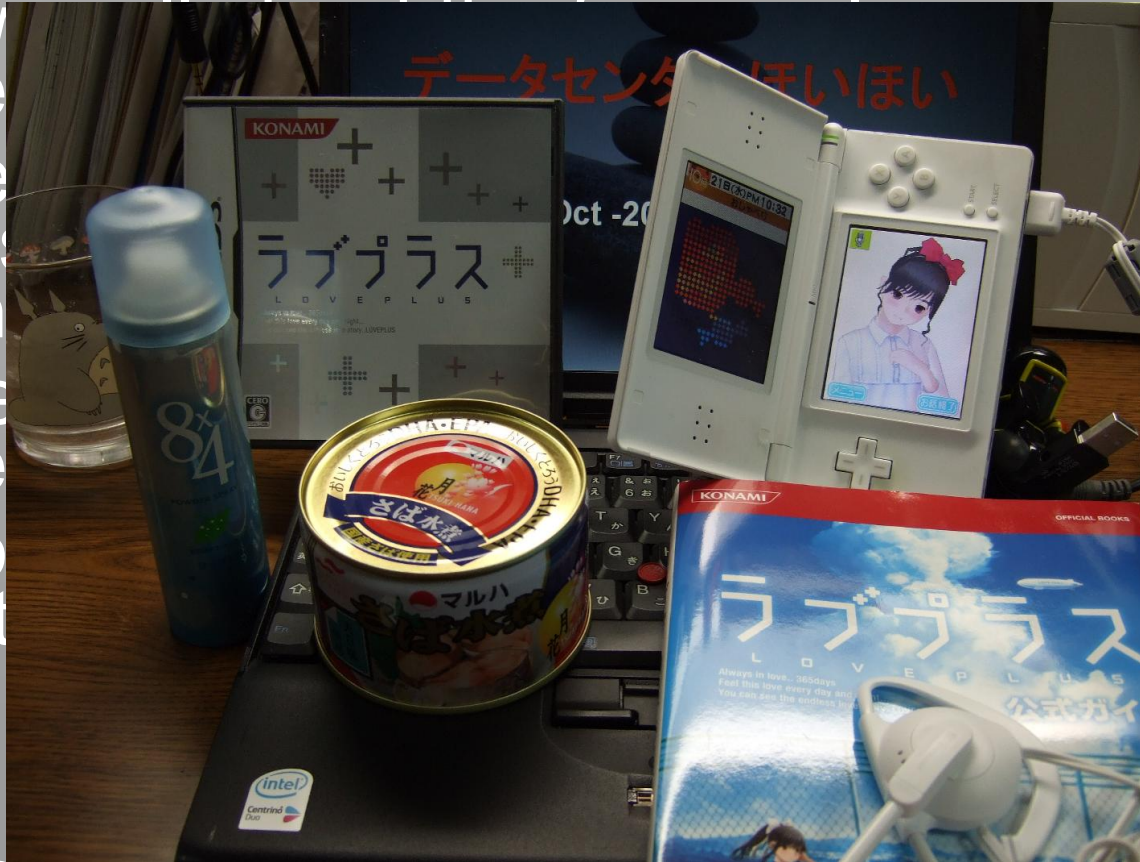
The Data Center “Hoi-Hoi” Trap

31-Oct -2009 AV-Tokyo

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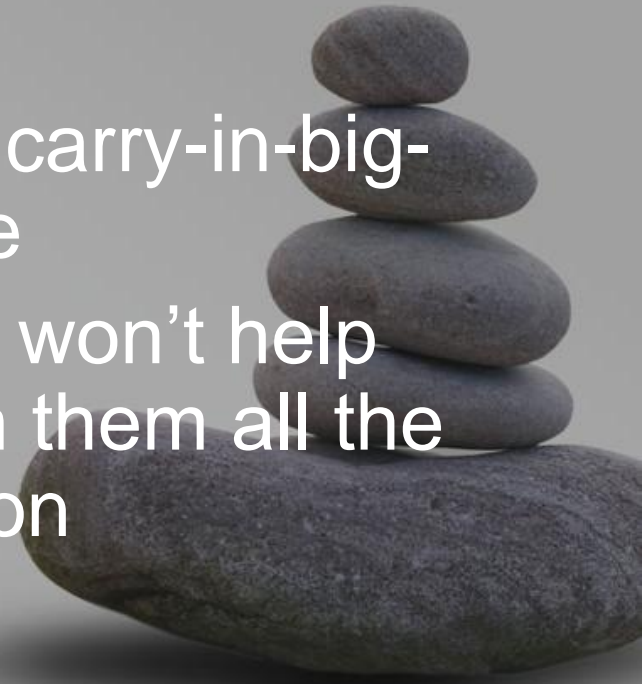
- Recently I got a first girl friend.
- リア充 "RIAJU" = I am real satisfied

Love your neighbor dimension (2D) !



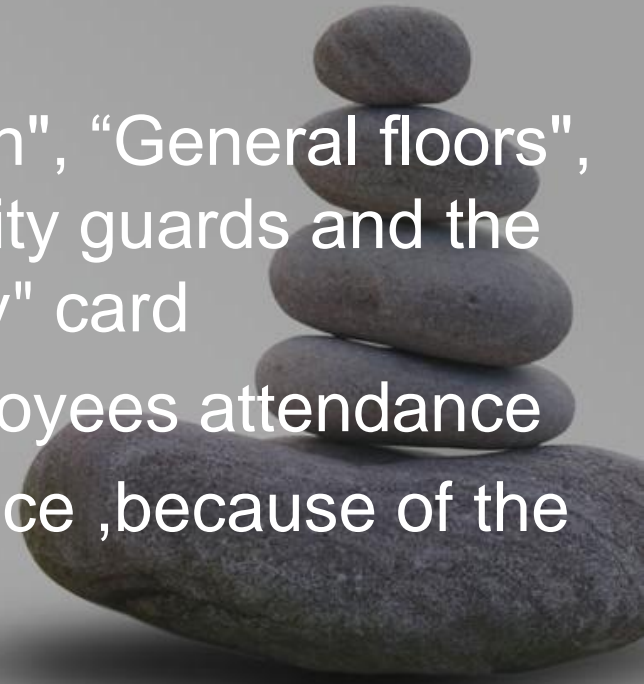
Common Problems at Data Center

- Carry in the equipments all the time
- Those are carried by common carriers
- I don't think those carriers do anything wrong, but...
- As carrying in, they leave the carry-in-big-gate door open for a long time
- The administrator attendance won't help much because he can't watch them all the time and possibly lose attention

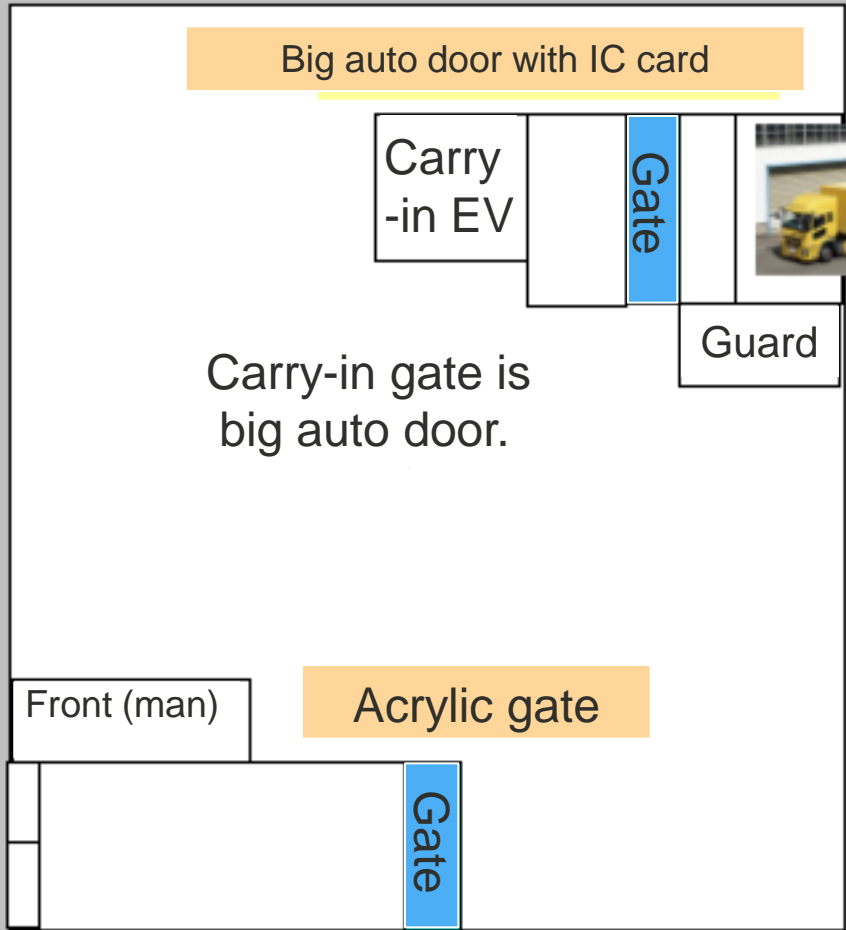


Current system is like this

- IC card Admission
- Representative person get IC cards at Front desk
- Only Front desk can control and issue the IC cards
- Some person in carrier has to remain in their car to keep eyes on other's baggage
- IC card have 4th privilege "Admission", "General floors", "Machine rooms", "Almighty". Security guards and the limited administrators have "Almighty" card
- Enter the Machine room needs employees attendance
- Hard to piggyback at the front entrance ,because of the locked gate and human eyes



Current system is like this (fig.)



Weak



Med.



Strong



Problems at carry-in entrance

- Easy to intrude when leaving the (IC card) big door open
- Hiding truck bed or truck roof is effective, like the war-type-B-movie
- If protected only by the guard, pretending a fellow of the carrier is effective since the guard does not count the number of people, because the front desk checks the number
- Not necessary to come out all together
- Leaving door open for a long time while carry-in
- After come out from building, able to come out from the gate without IC card
- Pass through the guard with smile 😊
- The cardboard costume is effective



Then, “ManTrap”

- Some calls security gate as “ManTrap”, but no intruder trapped, because we can see the whole entire gate.
- Let’s make a real “ManTrap” for trapping intruders.



Trap Target

- Difficult for the person who knows inside well thus . . .
- Target is the fake carrier who try to access from the carry-in entrance
- Trap Policy is “not able to run away if access”, not like “not able to access”,
- If trapped in the narrow area, difficult to stay calm.



Are there such an intruders?

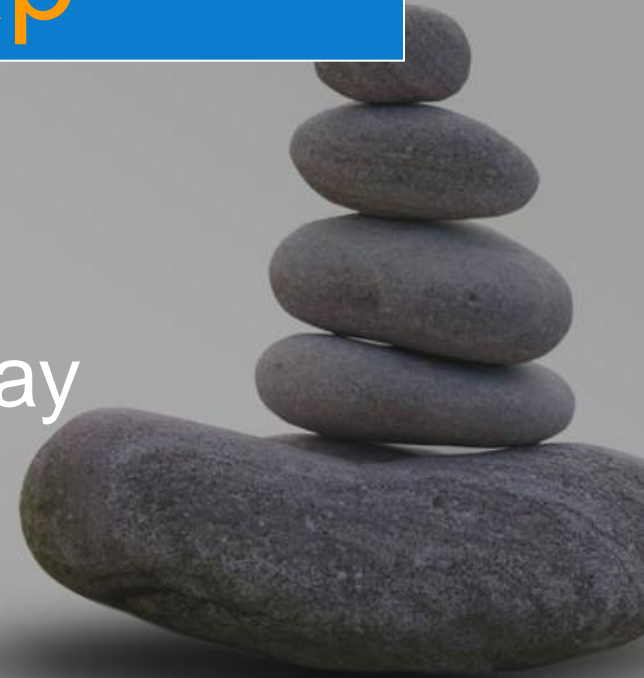
- Are there such intruders?
- Don't think so. Never ever heard
- But noticed the carry-in gate is vulnerable point
- No action will allow the intruders
- Thus I have set up a monitoring camera in the past, even I know only it's deterrence purpose
- It was very PRICY!
- In case of the Bank of Japan, they have the **Barricade for Suicide Bombings Terror.**



The name is

The Data Center “Hoi-Hoi” Trap

- Attract intruder with inducer
- Capture them not to run away

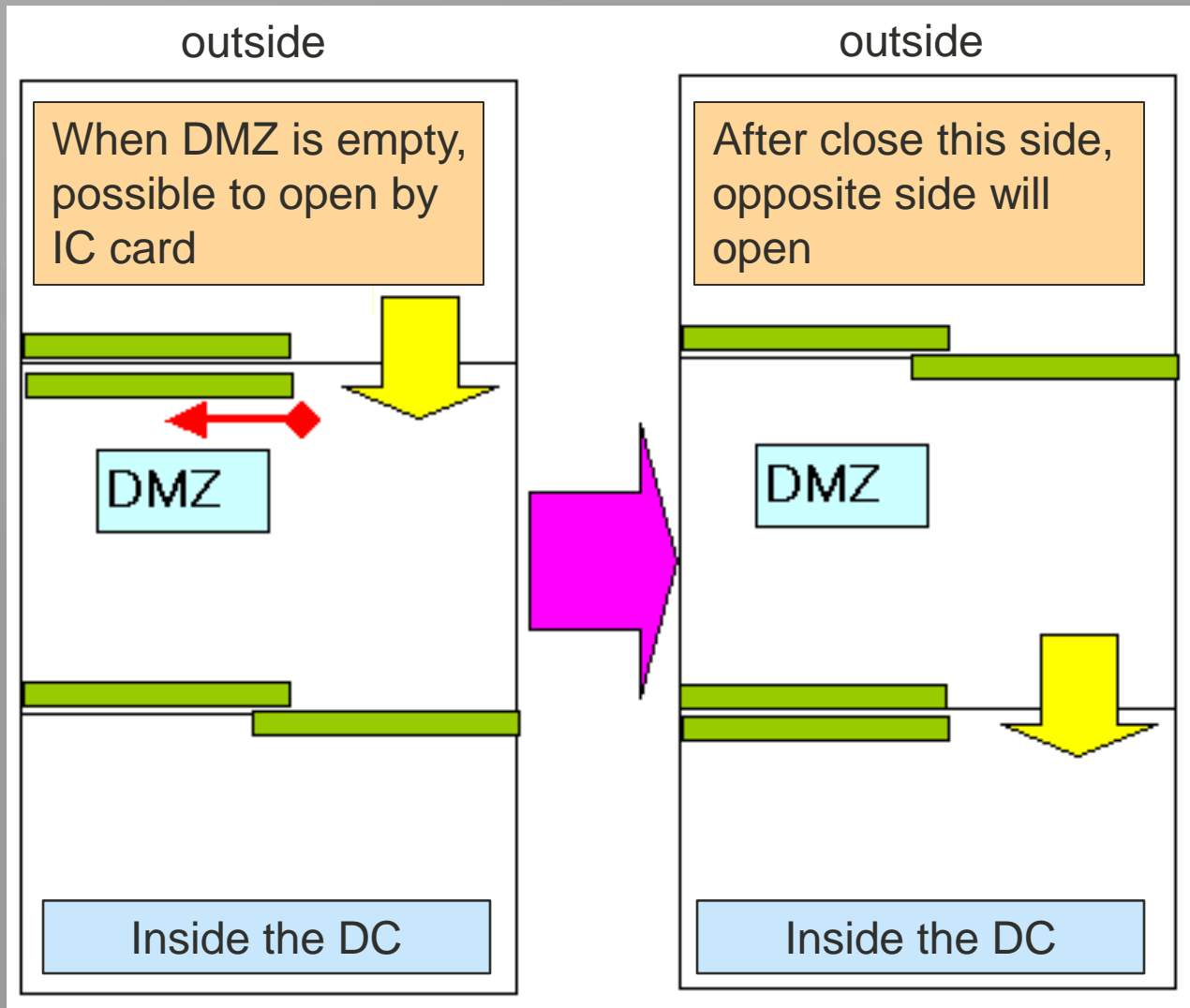


Carry-in gate (Entrance)

- While leave one side of the door open, the other side closed
- Can't open one side of the door unless evacuate the area (human body sensor).
- Attend two or more people all the time if the big equipments can not fit DMZ (Racks, Storages, FT-Server, UPS etc.,)
- Easy to enter, but not allow to leave from the entrance (to capture them surely)
- IC card for carry-in gate can not used to leave from the front desk gate which is limited for employees and cleaners (one escape route only)



Carry-in gate (Entrance)

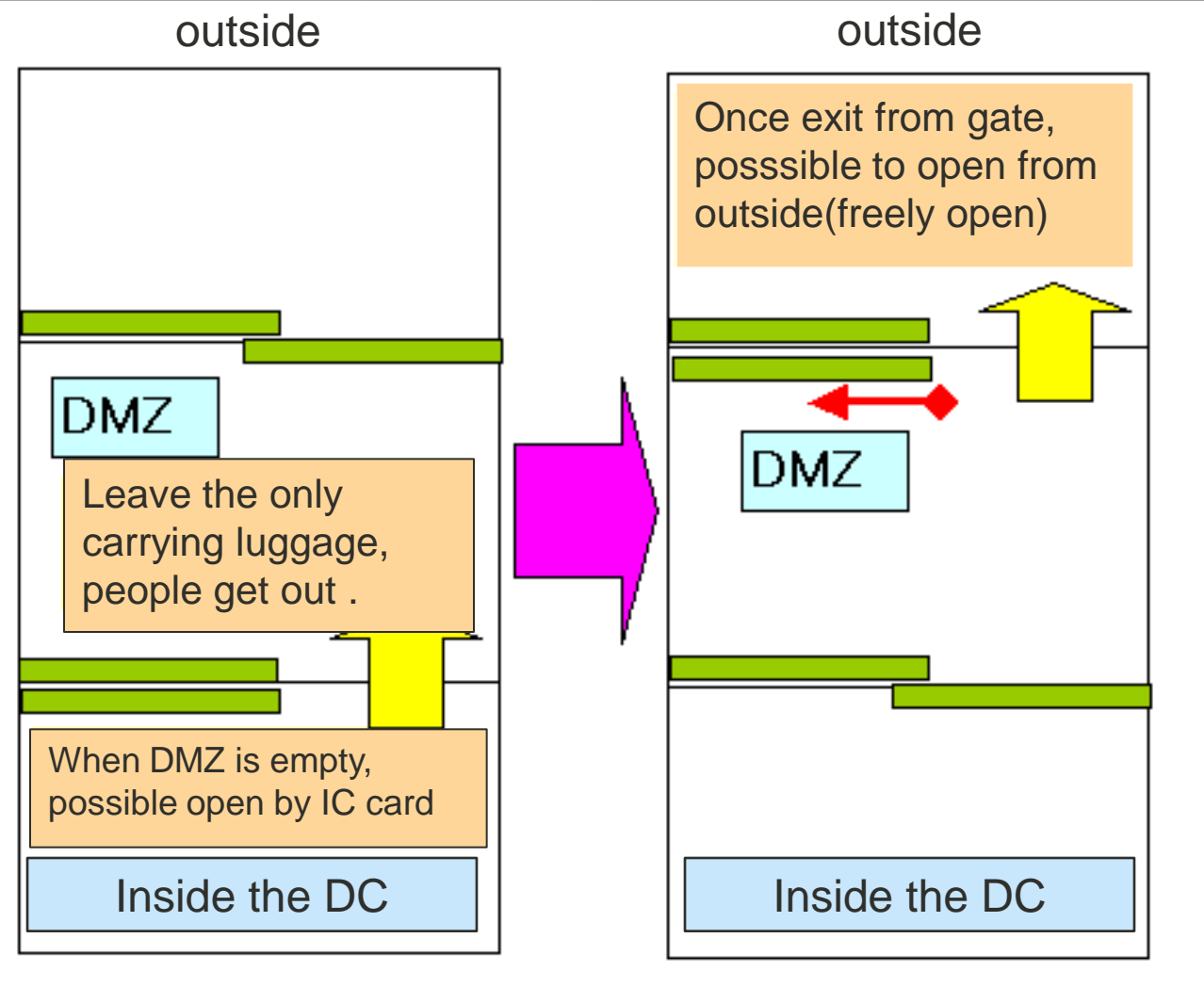


Carry-out gate (Exit, not Entrance)

- Get out from the gate after returning IC card
- Come into DMZ from outside
- Can open the DMZ gate from outside Freely



Carry-out gate (Exit, not Entrance)

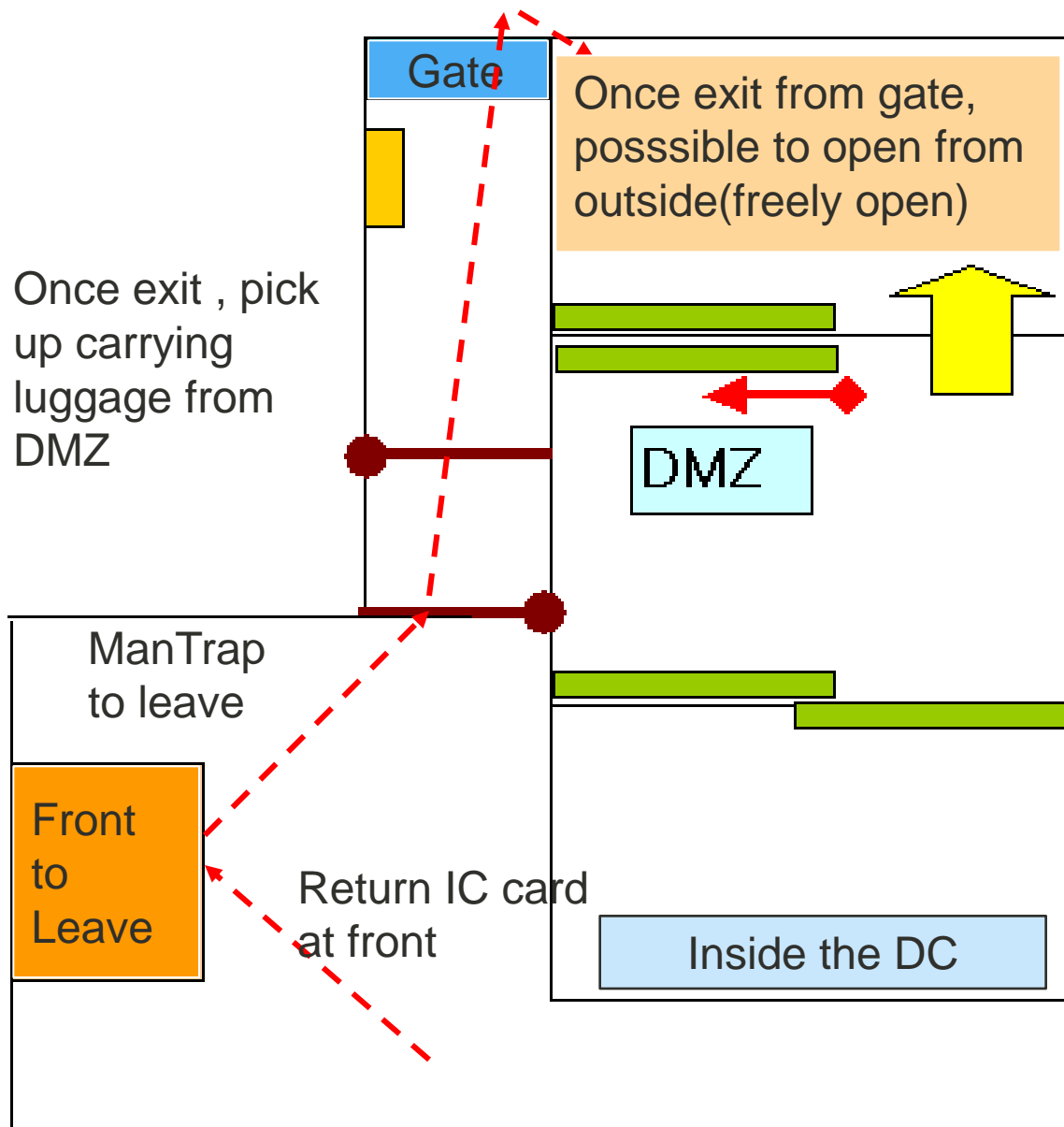


Explanation of ManTrap

- Get out from the carriers' exit after returning IC cards
- Representative person return all IC cards and get out all together, thus the pretended intruder **get out with them at ease**
- However, they need to pass through the exit **one by one**

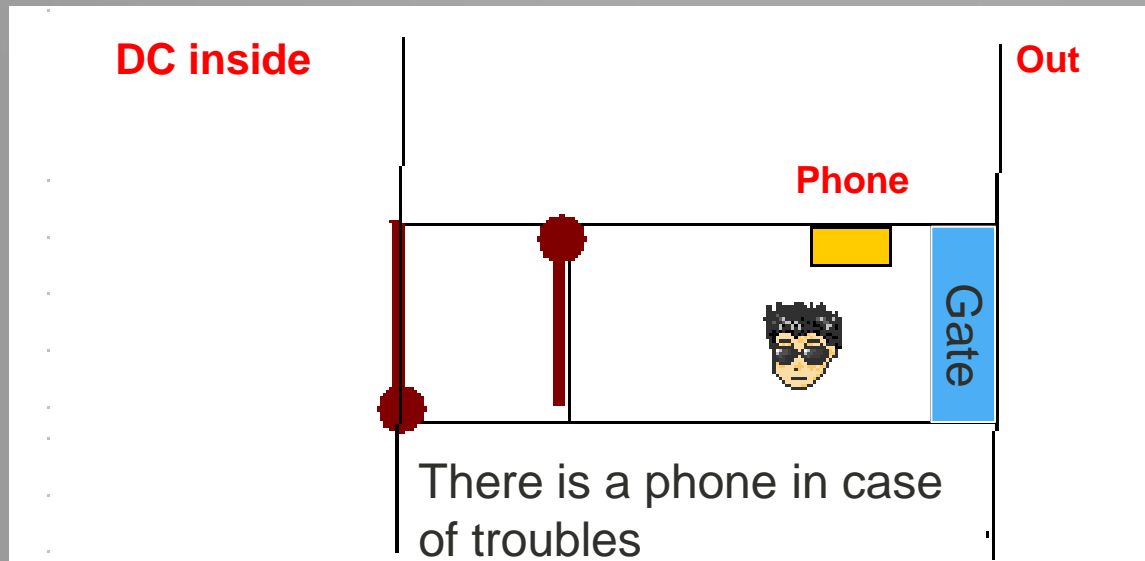


Overall view

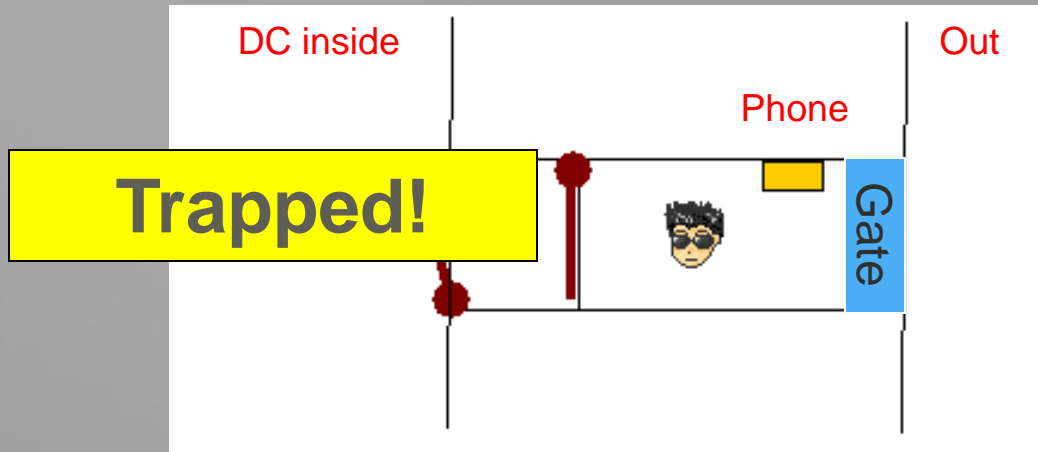


Entering the Exit Carry-in gate

- Need to enter **4 digits passwords** on outside door in the gate area. The official carriers know that passwords when they return the IC cards
- 4 digits passwords changed everyday
- On the other hand, the intruder doesn't know the correct 4 digit passwords



If Phone rings.....



- Intruder was trapped in “Data Center Hoi-Hoi”
- It is effective to put the sign such as “Please call when you need assist” with friendly illustration near by phone, not to make the intruder cautious mood
- Forget password? Security guard can check the official carriers identities
- Enough time to get ready for capture the intruder

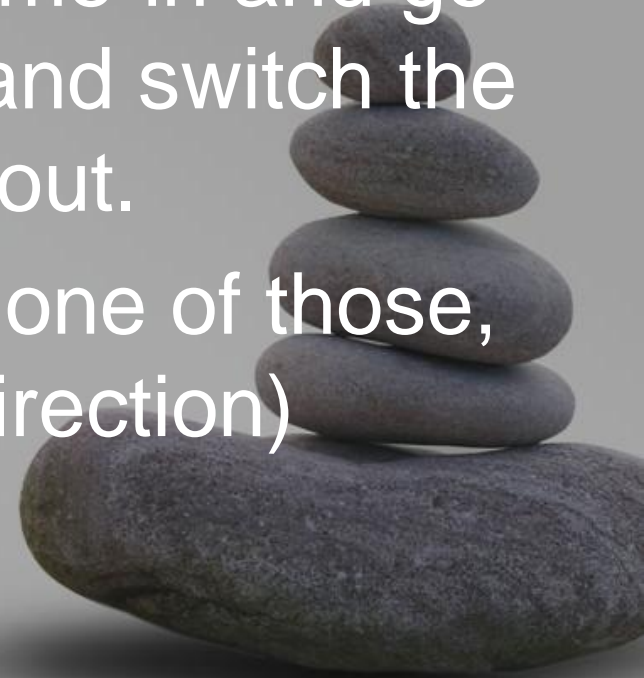
Point of Data Center “Hoi-Hoi” Trap

- Make the carrier's **entering route** and **exit route** exclusively, taking the direction
- Make easy to get in, harder to get out
- Enforce the counter measure piggybacking when they leave (get out one by one)



and

- The point is, **pretending** as if we control the admission only by the admission card,
- If Data Center has many come-in and go-out, issue the leaving card and switch the card every come-in and go-out.
- (The carrier can hold either one of those, not the both, and taking a direction)



Backward Incidence is Important

- If can't prevent, address by backward incidence
- Too expensive to aim at 100% protection by the prior measures
- It is more important how to react and framework when the incidence occurs, than making Impossible to illegal access
- I wish I could trap a intruder in “Hoi-Hoi” even in once in my life
- Please try this system. It cost you making 2 gates only

