Penn Grouper availability
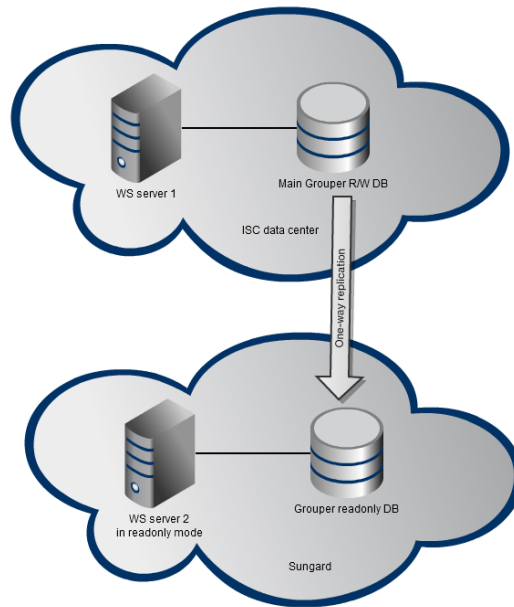
Previous architecture

- F5 load balancers (manual failover?)
- 5 WS servers
- Main Grouper R/W DB
- Standby Grouper DB Dataguard
- ISC data center
- client
- client
- Grouper LDAP
- ISC NOC
- Grouper LDAP standby
- ISC backup NOC
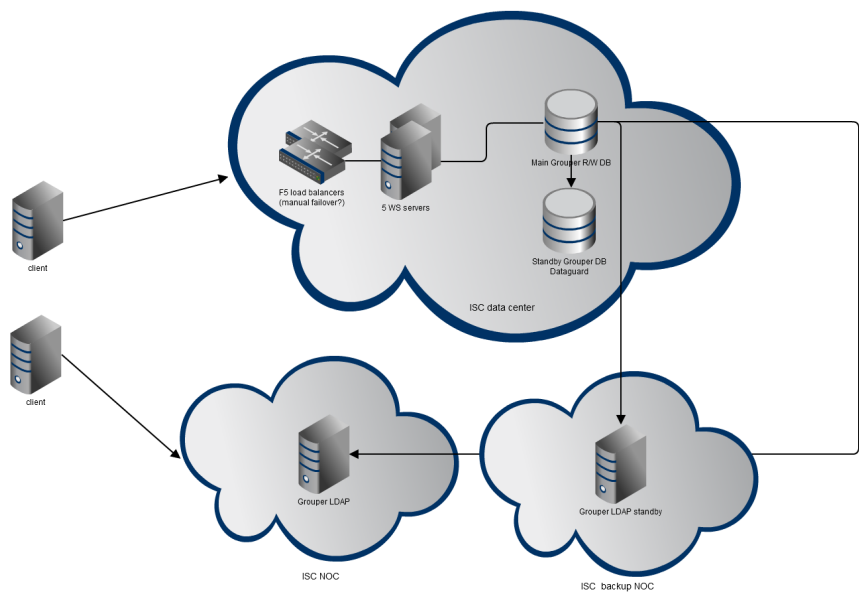
Failover between WS and LDAP

- F5 load balancers (manual failover?)
- 5 WS servers
- Main Grouper R/W DB
- Standby Grouper DB Dataguard
- ISC data center
- client
- Try WS or LDAP, If error or timeout Use the other one
- Grouper LDAP
- ISC NOC
- Grouper LDAP standby
- ISC backup NOC

Penn offsite WS

WS server 1

Main Grouper R/W DB

ISC data center

One-way replication

WS server 2
in readonly mode

Grouper readonly DB

Sungard
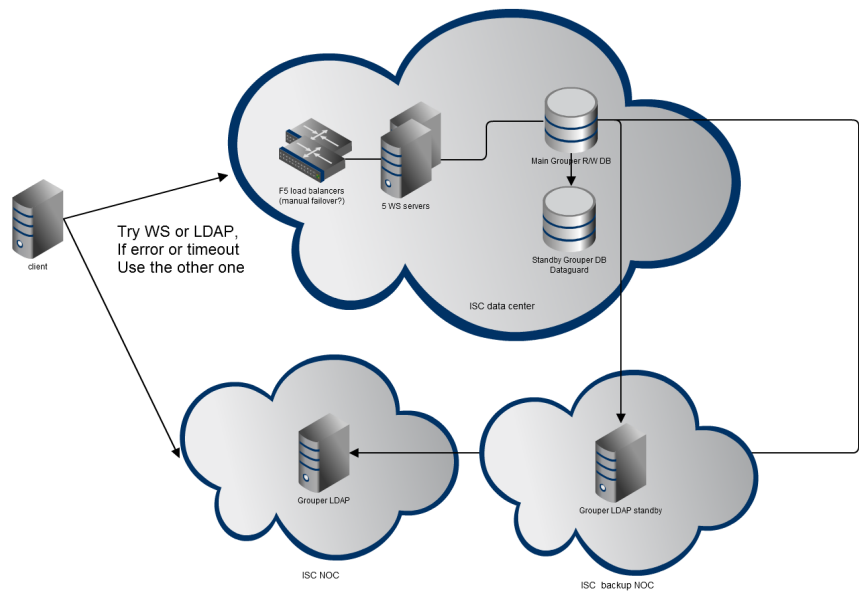
Penn offsite WS DNS failover

SaaS DNS failover

Poll each service every few
minutes, active/standby

DNS query to lookup
service, low TTL

If DNS points here, use
this

client

If DNS points here, use
this

WS server 1

Main Grouper R/W DB

ISC data center

One-way replication

WS server 2
in readonly mode

Grouper readonly DB

Sungard
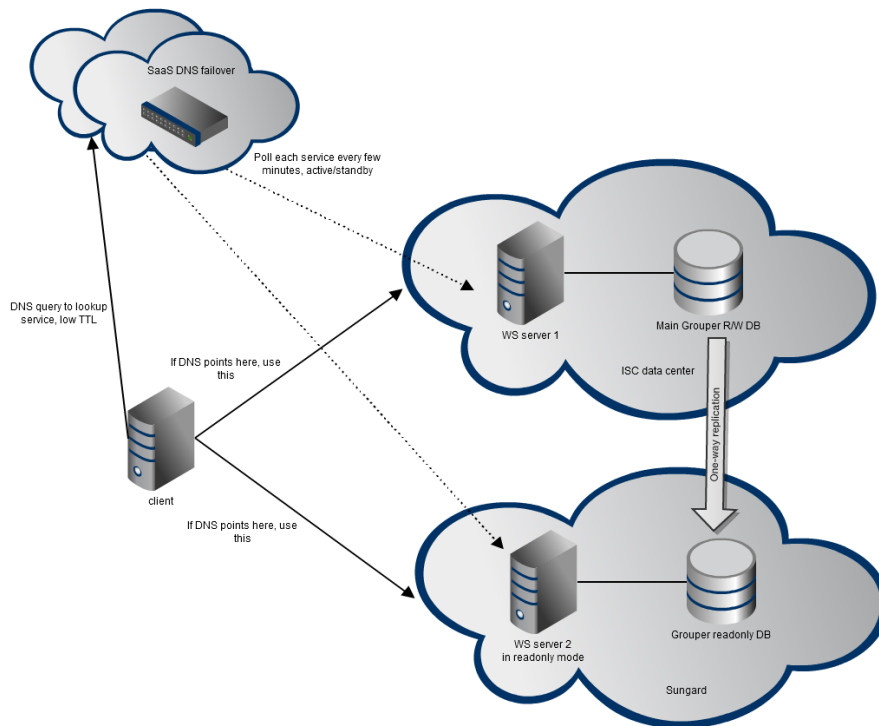
Penn offsite WS client failover

WS server 1

Main Grouper R/W DB

ISC data center

Try primary connection first

client

If there is a timeout or error on primary,
and if it is a readonly query, then
try this connection

One-way replication

WS server 2
in readonly mode

Grouper readonly DB

Sungard

sdf