

# Intelligent Management Library

- The job that arrange million of books is difficult challenge. The books sometimes may be placed on the unmatched bookshelf. And, we can not find the book we want. The book arranger may find the nomadic books after several months.
- We exploit the features of IPv6 to help us to solve this inconvenient.



# Imagine that..

- Give each book an IPv6 address!! ( translated from ISBN )
- Treat each bookshelf as a router!!
- We rules each IP address (book) has to be at its domain ( bookshelf ). If not, the nomadic book will send an ICMP message ( I'm lost) to the specific Server in each floor. We may design in two way :
  1. Passively, If a book receives no Router Advertisement for a certain time, it will assume that default router(bookshelf) is no longer reachable.
  2. Actively, the book sends *Anycast* to find the nearest bookshelf. If the message returned by router is not the book's default home. The book should be out of placed.

Philology bookshelf

