

## real-time advisory systems

- each computer will have a multicating
- each computer will have a multicating discovery service - the service will be sicked of by applications
- data will transmitted directly by the applications
1000 NOP T
DISC MUTICAST DISC
DISC
- applications will use the discovers permice
- application will use the discovery Dernice to locate other applications on the meturn
Toppil TCP Toppi
THE CONTRACTOR OF THE CONTRACT
TCP TCP APP3
- the applications will always have local



## real-time advisory systems

\$ **			-E-curs	
diservery service				
Computer 1		Computer 2.		
Disc	MULTICAST	-[DISC]		
IAPÓ I	PIRECT	[APP3]		
[APP2]		JARPY		
- Bonefirta				
- zero configuration in same subnet - dritty to guarantee message was received - and plug-m-play for new system. - built-in fault tolerance and redunce				
- one plug-m-pl - built-in fault	ay fer me	ond redunce		
- Topics will be key/value pair layed  - if key is present, it must match  - if key is not present, then can match any  - nor "wildcards" one required				
- if bey is no	event, it m	en con match	ony	
- no "hildrands" one required				



## real-time advisory systems

Strage
- Buppert for "guaranteed" messaging when
handshape is made
- Use file læsed storage for data - Allow setting for "expiration", so old data cannot be pept forever enclose intended
connect be post traces enclose intended
wione to population and the population of the po
Publish Bulscile
+ respective property
- standard 1-to-N pullish - will some messages if "granenteed"
- will some mossages of grown less
Requeste
- Will send requests synchronousley to support appar resource efficiently while providing redundancy - Responders will be selected randomly for
apper resource efficiently while providing redundancy
- Responders will be selected renderly for
order
elf a listener does not reppend ofter N attemptes
drep them to have list of connections entil
drep them for from list of connections intill further notice.