Bridgehead Server

The replication topology in Active Directory generated automatically by a service known as the Knowledge Consistency Checker (KCC). Knowledge Consistency Checker (KCC) helps to keep same database information across all domain controllers. Knowledge Consistency Checker (KCC) ensures that replication can always take place between Active Directory Domain Controllers.

When two sites are connected by a Site Link, the Knowledge Consistency Checker (KCC) automatically selects one bridgehead server in each site for each domain that has Domain Controllers in the site. The data which needed to be replicated is first sent to the bridgehead server of a site and then is replicated from bridgehead server to the other domain controllers inside that site.

A Preferred Bridgehead Server is a Domain Controller in a site, specified by an administrator, to act as a Bridgehead Server. More than one preferred Bridgehead Server can be specified, but only one server is active at a time in a site. A preferred bridgehead server should be a Domain Controller with high-bandwidth connection to transmit and receive information. If there is only one preferred bridgehead server is configured in a site there will not be any replication if that server is not available.

A preferred Bridgehead Server can be designated by the following steps.

• In the "Active Directory Sites And Services" console tree, click the site that contains the Domain Controller which is going to be a preferred bridgehead server. Right click the Domain Controller and select the Properties from the popup menu. Seletct the Intersite protocol either IP os SMTP and click ADD

K Active Directory Sites	and Services			
🚮 File Action View 🛛	<u>/indow H</u> elp		_8×	
← → E II ×	× 🗗 🗗 🖪	ß		
Active Directory Sites and	Ser SERV32 1 ol	ojects		
E- Sites	Name	Туре	Description	
Blangalore Servers SERV3 NT Chennai Chennai Chennai Subnets	NTDS Setti	MTDS Settings Domain Controll		
	Mo <u>v</u> e			
	All Tas <u>k</u> s	•		
	⊻iew New <u>W</u> indow from F	• lere		
	Cu <u>t</u> Delete			
	Rena <u>m</u> e			
	Refresh WWW.OMNISECU.COM			
	Export List		· ·	
Opens property sheet for t	P <u>r</u> operties			
	Help			

• Select the intersite transport or transports for which this computer will be a preferred bridgehead server. Click Add, and then click OK.

ERV32 Properties			?
General Object Security			
SERV32			
D <u>e</u> scription:			
<u>T</u> ransports available for inter-site data transfer:		This server is a p <u>b</u> ridgehead serve following transpo	er for the
SMTP	A <u>d</u> d>>>	IP.	
Computer Computer: SERV32		•	
D <u>o</u> main: omnisecu.		nnisecu.	com
	ОК	Cancel	Apply