

# **SEAM 1.0 AND WINDOWS 2000 INTEROPERABILITY TESTING**



## **PRESENTATION OBJECTIVE:**

To present the actual testing configurations and the test results of the interoperability between SEAM 1.0 and Windows 2000 Kerberos v5

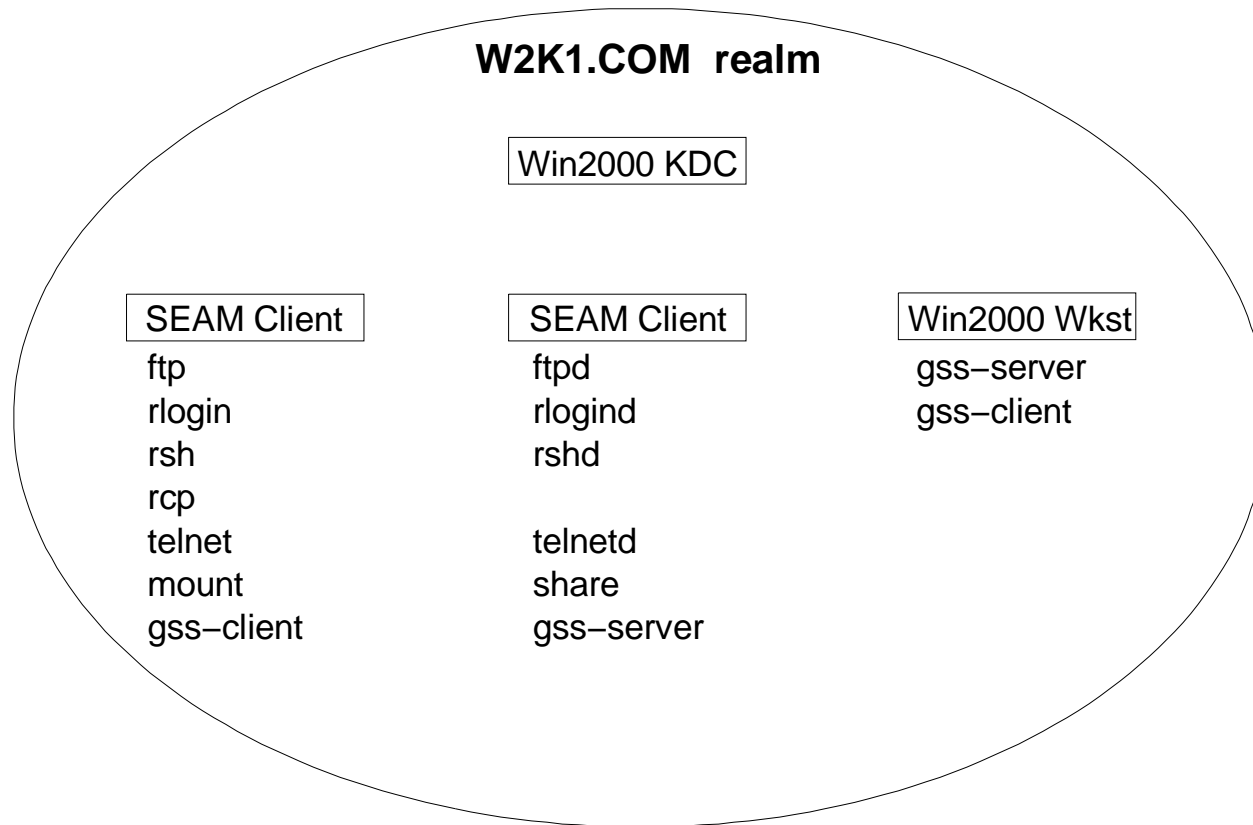
## **TEST APPLICATIONS:**

- SEAM GSSAPI Sample (gss–server and gss–client)
- Windows 2000 SSPI Sample (gss–server and gss–client)
- SEAM Kerberized telnet, rcp, rsh, ftp, rlogin and NFS

## **TESTING REALM CONFIGURATIONS:**

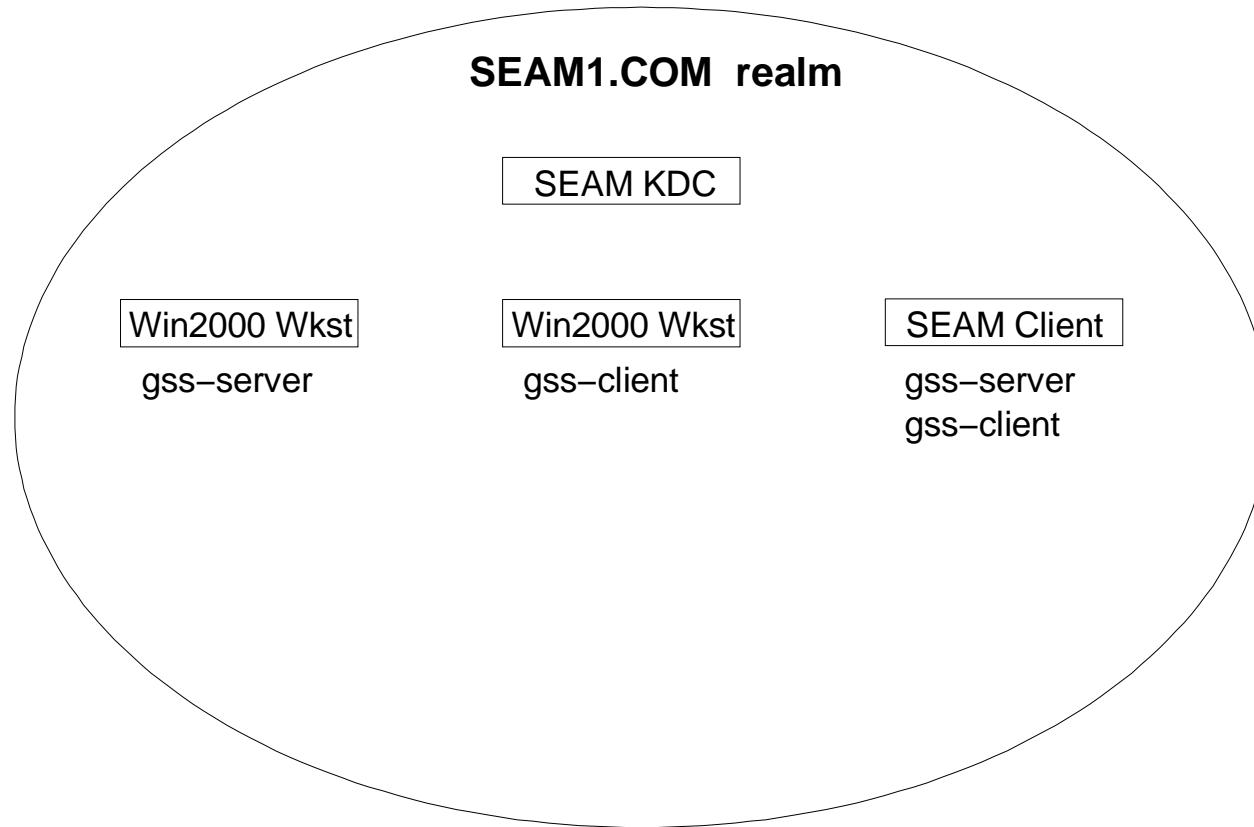
- Single realm
  - . with a Windows 2000 KDC
  - . with a SEAM 1.0 KDC
- Directional cross–realm
  - . between 2 Windows 2000 KDCs
  - . between 2 SEAM KDCs
  - . between a SEAM KDC and a Windows 2000 KDC
- Hierarchical cross–realm
  - . between 3 Windows 2000 KDCs
  - . between 3 SEAM KDCs

## Single realm : With a Windows 2000 KDC



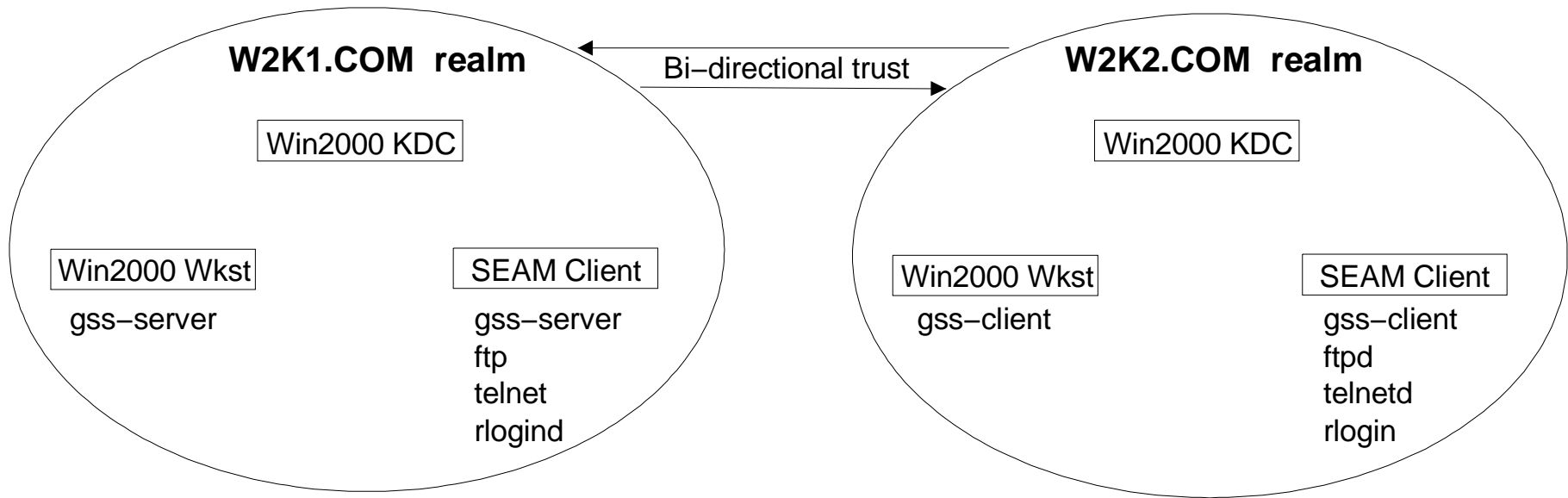
**Test results:** All scenarios worked.

## Single realm : With a SEAM KDC



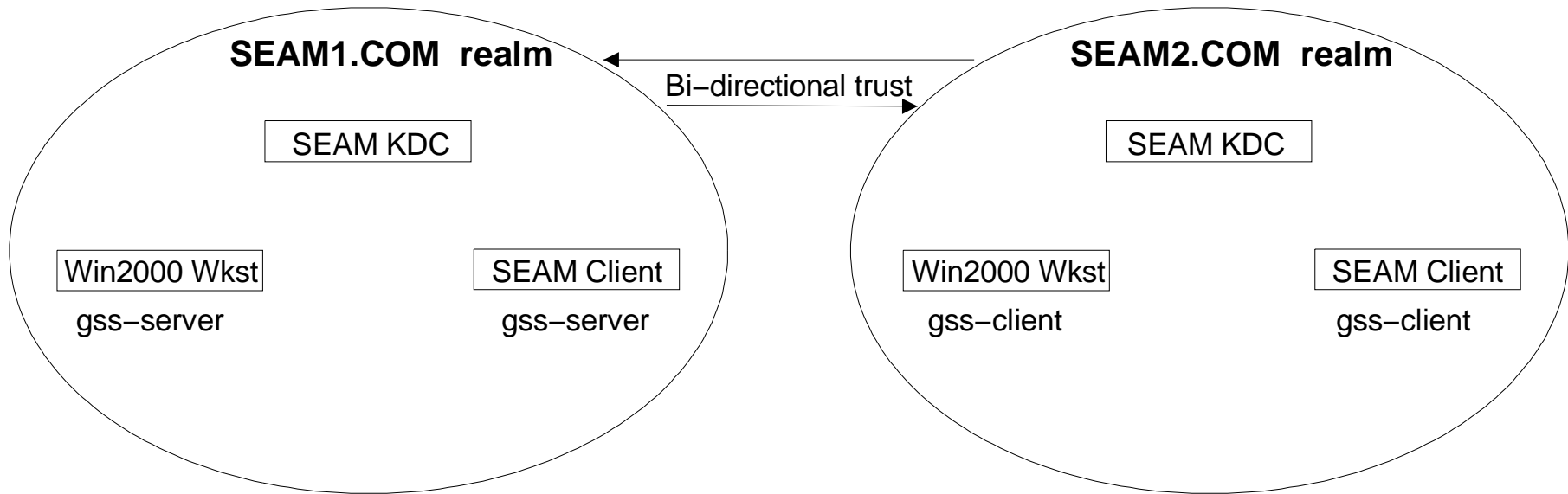
**Test results:** All scenarios worked.

## Directional cross-realm : Between 2 Windows2000 realms (2 Windows2000 domains on 2 trees in a forest.)



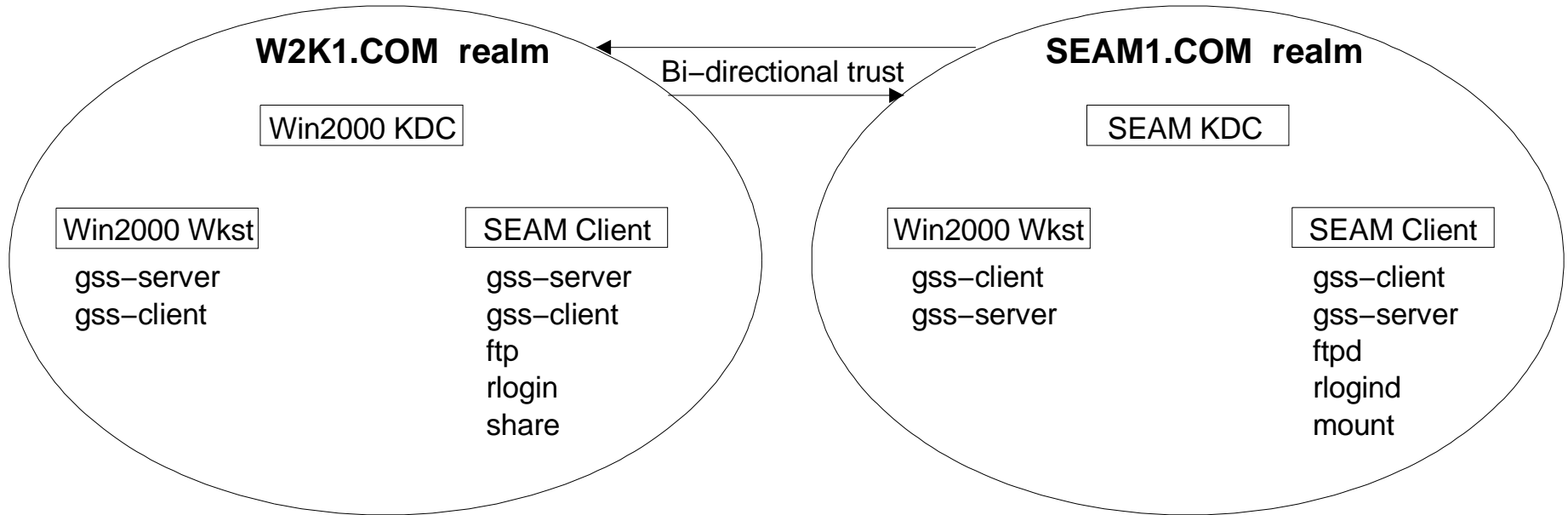
**Test results:** All scenarios worked.

## Directional cross-realm : Between 2 SEAM realms



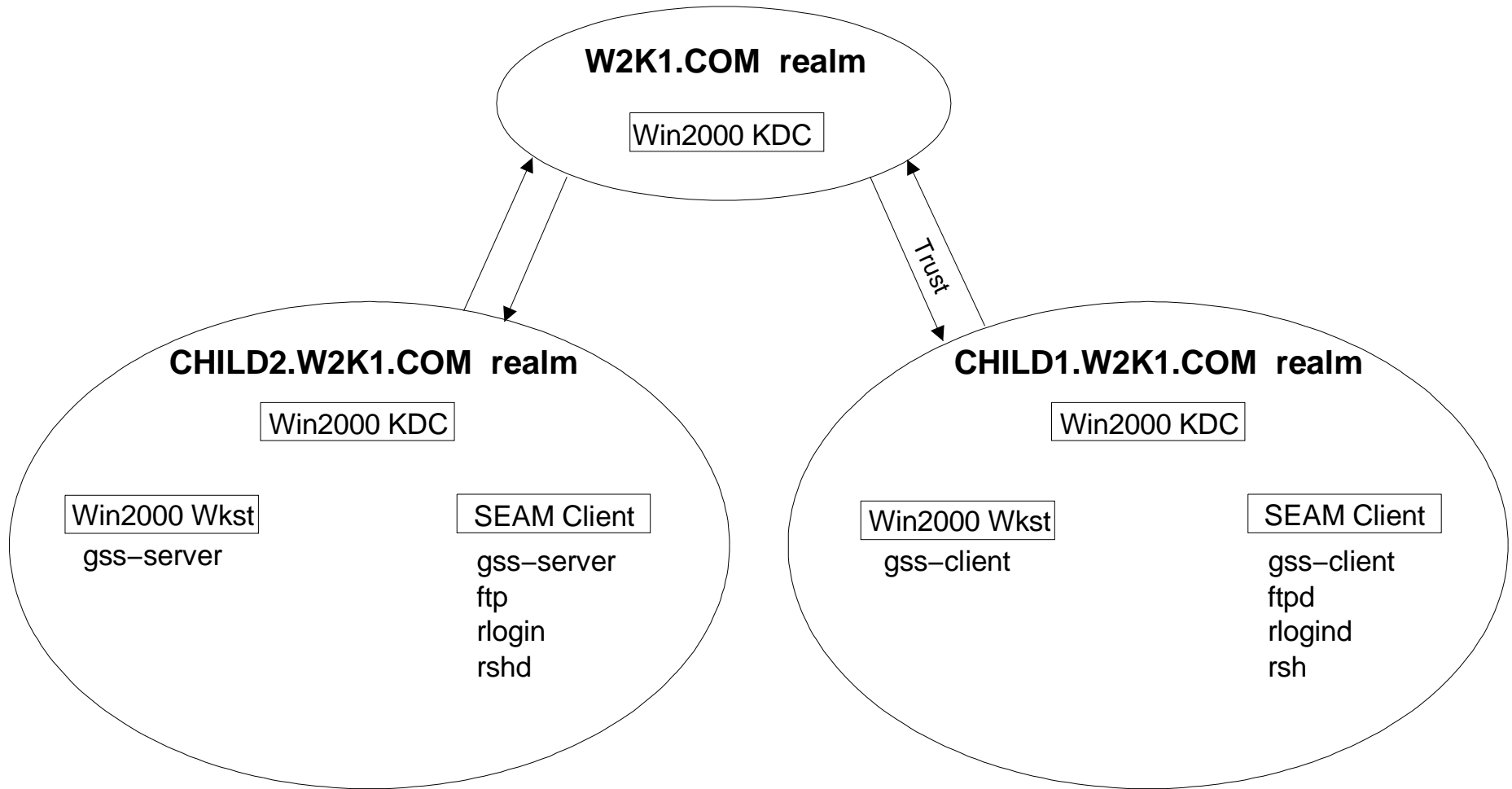
**Test results:** All scenarios worked.

## Directional cross-realm : Between 1 Windows2000 realm and 1 SEAM realm



**Test results:** All scenarios worked.

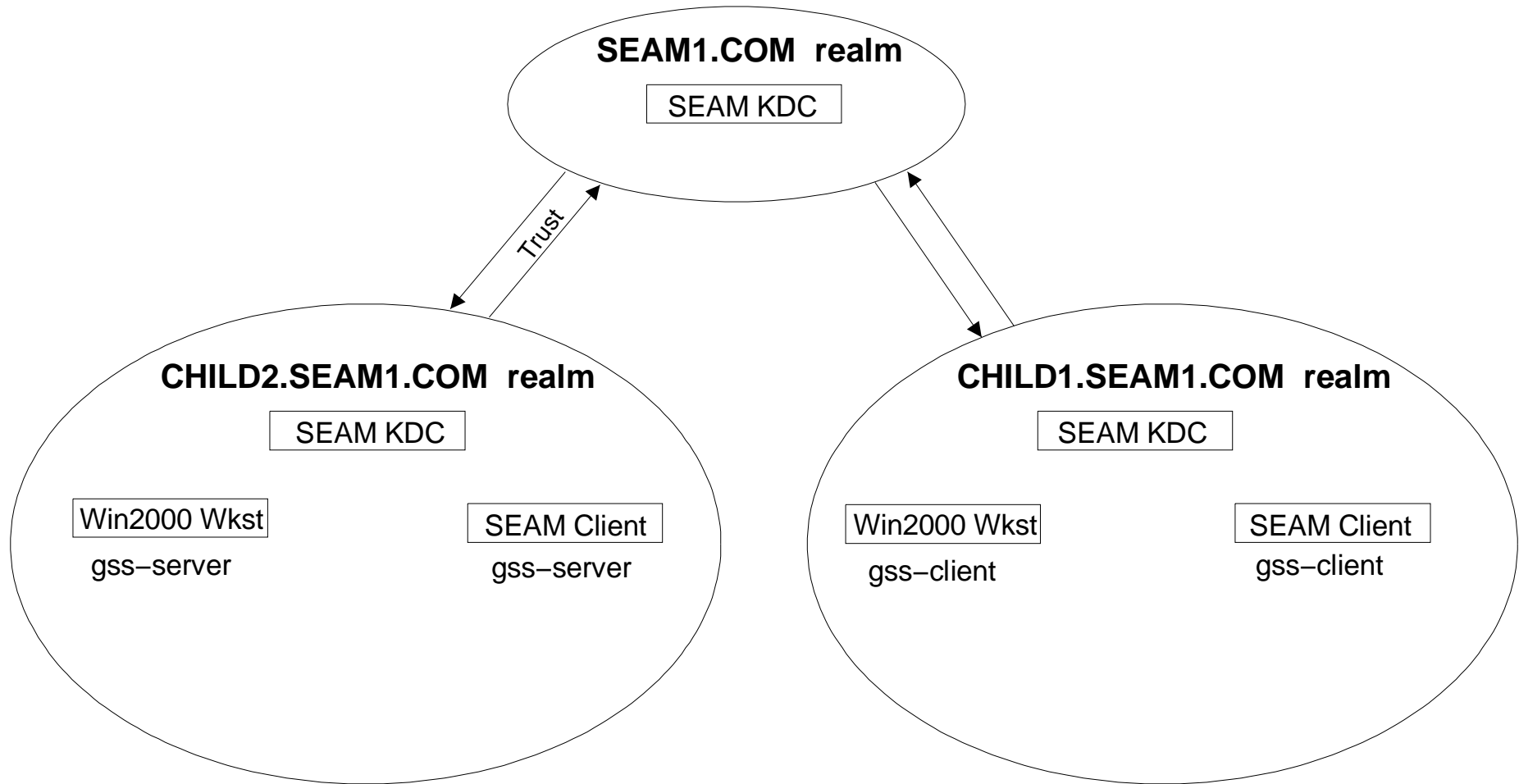
## Hierarchical cross-realm : Between 3 Windows2000 realms (3 Windows2000 domains on a tree in a forest.)



**Test results:** All scenarios worked.



## Hierarchical cross-realm : Between 3 SEAM realms



**Test results:** Testing in progress.

## SUMMARY:

- All tested scenarios worked as expected
- Hierarchical realm support for cross–platform trust between the Windows 2000 and non–Windows Kerberos realm is **not** supported

## REFERENCES:

- SEAM Guide  
<http://docs.sun.com:80/ab2/coll.384.1/SEAM>
- SEAM 1.0 Interoperability Notes  
<http://www.cthon.org/seam1.0/>
- Windows 2000 Kerberos Interoperability  
<http://www.microsoft.com/windows2000/library/howitworks/security/kerbint.asp>
- Windows 2000 Step–by–Step Guide to Kerberos 5 (krb5 1.0) Interoperability  
<http://www.microsoft.com/windows2000/library/planning/security/kerbsteps.asp>
- The Security Support Provider Interface  
<http://www.microsoft.com/windows2000/library/howitworks/security/sspi2000.asp>