# Eliminating Tape Interface Distance Limit

## INTRODUCTION

Everything strives to get virtualized today – it's a steady trend, which covers 95% of IT systems. At the same time, tape storage is still very prospective, winning the TCO contest versus any disk technology. In addition, lots of companies and institutions are bound by regulatory requirements to use tape libraries. StarWind devised a convenient interface to introduce traditional tape into virtual storage environments.

## PROBLEM

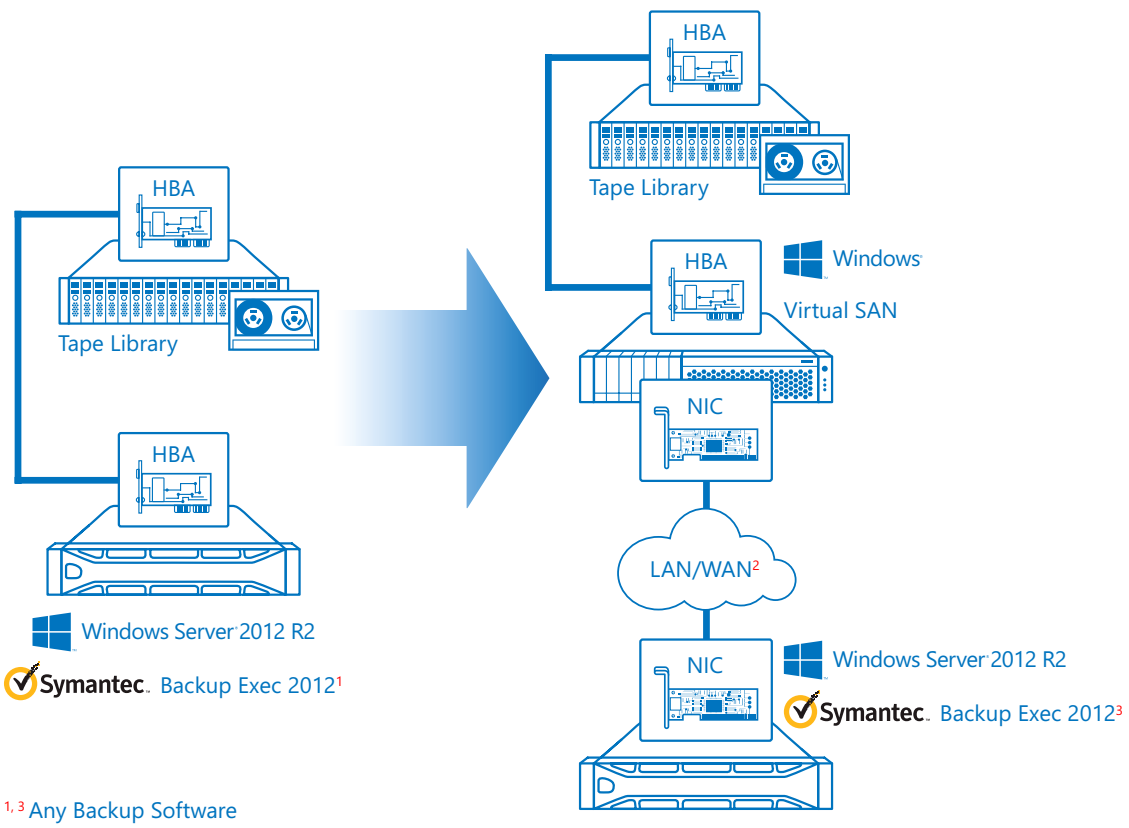
FC, SAS and SATA interfaces are limited by the physical cable length. If servers with backup software and tape libraries are not within close proximity to each other, tape backup software cannot communicate with tape hardware. Thus, it is impossible to do the backups to tapes.

## SOLUTION

StarWind Tape Redirector is installed on a server with the attached tape drive. It creates a gateway to a tape library via iSCSI so that any backup application located on a remote server can transfer the data to the tapes over LAN or WAN using SCSI over TCP (iSCSI) protocol.

## CONCLUSION

StarWind Tape Redirector resolves the distance limitations issue between the backup server and tape drive. Thus, using iSCSI, the backup data can be transferred from the remotely located backup server to the tape library over any IP network.




[1, 3] Any Backup Software
[2] Any OP network


©2014, StarWind Software Inc. All rights reserved.