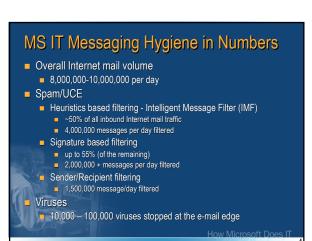




## What is Messaging Hygiene? Goal: Keep corporate messaging environment free of malicious and unauthorised content Threats to messaging hygiene include Virus infected e-mail UCE/Spam e-mail Denial of Service (DoS) attacks Directory Harvesting (DHA) attacks E-mail spoofing Unauthorised mail submission



## MS IT Messaging Hygiene in Numbers Platform Windows 2003/Windows 2000 Exchange 2003 SP1 Client: Outlook 2003 Topology Multiple Exchange organisations Virus scanning on all Internet mail entry and exit points Spam blocking on major published mail entry points Spam filtering is done topologically prior to virus scanning Infrastructure 9 SMTP gateways dedicated for e-mail virus scanning Regional SMTP gateways are enabled for virus scanning 7 gateways performing anti spam functions

## MS IT Messaging Hygiene Anti virus Signature based Attachment stripping Anti spam Signature based Heuristics based (Intelligent Message Filter - IMF) Static filtering Sender/Recipient filtering Custom Event sinks

## Architectural Principles Anti spam and Anti virus MUST be present at the gateway level Anti spam MUST be topologically before anti virus Anti spam SHOULD be done for inbound mail only Anti spam filtering SHOULD remove vs. quarantine Anti virus MUST scan both inbound and outbound mail Anti virus MUST be mail direction aware Anti virus MUST follow "block on fail" rule Anti virus MUST include attachment stripping

