

## users

- communicating with, 267–268
- contact information, 220
- creating, 217–220
- deleting, 226–227
- profile information, 224–226
- resetting passwords, 225–226

## user satisfaction, 278

## UTP (unshielded twisted-pair cable)

- about, 115
- categories, 116–117
- extra pairs, 117
- pinouts for, 121
- RJ-45 connectors, 122–123
- shielding, 117

# V

## vandalism, 379

## Veeam, 372–373

## Velcro, 436

## virtual disks

- about, 171–173
- creating, 184–188
- dynamically expanding, 179
- fixed-size, 179
- Hyper-V, 179–180

## virtualization

- about, 167–168
- backups and, 371–373
- benefits of, 174–175
- choosing hosts, 175
- creating virtual disks, 184–188
- creating virtual machines, 188–192
- creating virtual switches, 181–184
- history, 168, 169
- hybrid cloud, 416–418
- hypervisor, 169–170
- installing operating system, 192–194
- network, 173–174
- servers, 182
- terminologies, 168

## virtual LAN, 184

## virtual machine (VM)

- about, 168
- creating, 188–192
- Hyper-V, 182

## virtual private network (VPN)

- about, 387, 389–390
- clients, 391–393
- connecting to network, 297
- for remote users, 389–393
- servers, 391–393

## virtual servers, 400

## virtual switches, 181–184

## viruses, 17, 343–345

## virus protection

- about, 343–345
- antivirus program, 345–346
- safe-computing practices, 346

## VM operating system, 169

## VMWare, 371

## VMWare Cloud, 416, 417

## volume license, 296

## volumes, 172

## vSphere, 416

# W

## wall jacks, 124–125

## wavelength, 137

## weather, 379

## web servers, 82

## whitelisting, 355

## wide area network (WAN)

- about, 10
- firewall, 161, 339

## Wi-Fi

- about, 134
- access points, 130
- routers, 161

## Windows 7

- accessing network resources in, 45–47
- logging off network in, 55
- mapping network drives in, 47–50
- sharing folders in, 59–61

## Windows 8

- logging off network in, 55
- mapping network drives in, 47–50
- printer sharing in, 62–64

## Windows 8.1

- logging off network in, 55
- mapping network drives in, 47–50
- printer sharing in, 62–64