

```
UUIPUI FILENAME =
                                                J/
                                                                           __output
GetUserSPNs.py
                                                58
                                                       SMBSERVER_DIR
                                                                        = '__tmp'
                                                59
                                                       DUMMY_SHARE
                                                                        = 'TMP'
addcomputer.py
                                            • • •
                                                       SERVICE_NAME
                                               60
                                                                        = 'BTOBTO
atexec.py
                                                61
                                                       CODEC = sys.stdout.encoding
                                                62
  dcomexec.py
                                                       class SMBServer(Thread):
                                                63
dpapi.py
                                                64
                                                           def __init__(self):
                                                65
                                                               Thread.__init__(self)
  esentutl.py
                                                               self.smb = None
                                                66
                                                67
  exchanger.py
                                                           def cleanup server(self):
                                                68
findDelegation.py
                                                               logging.info('Cleaning up..')
                                                69
                                                70
                                                               try:
getArch.py
                                                                   os.unlink(SMBSERVER_DIR + '/smb.log')
                                                71
getPac.py
                                                               except OSError:
                                                72
                                                73
                                                                   pass
getST.py
                                                               os.rmdir(SMBSERVER_DIR)
                                                74
                                                75
getTGT.py
                                                           def run(self):
                                                76
goldenPac.py
                                                77
                                                               # Here we write a mini config for the server
                                                               smbConfig = ConfigParser.ConfigParser()
                                                78
karmaSMB.py
                                                               smbConfig.add_section('global')
                                                79
keylistattack.py
                                                               smbConfig.set('global','server_name','server_name')
                                                80
                                                               smbConfig.set('global','server_os','UNIX')
                                                81
  kintercept.py
                                                               smbConfig.set('global','server_domain','WORKGROUP')
                                                82
                                                               smbConfig.set('global','log_file',SMBSERVER_DIR + '/smb.log')
                                                83
lookupsid.py
                                                               smbConfig.set('global','credentials_file','')
                                                84
   machine_role.py
                                                85
                                                86
                                                               # Let's add a dummy share
  mimikatz.py
                                                               smbConfig.add_section(DUMMY_SHARE)
                                                87
mqtt_check.py
                                                               smbConfig.set(DUMMY_SHARE, 'comment', '')
                                                88
                                                               smbConfig.set(DUMMY_SHARE, 'read only', 'no')
                                                89
mssqlclient.py
                                                               smbConfig.set(DUMMY_SHARE, 'share type', '0')
                                                90
                                                               smbConfig.set(DUMMY_SHARE, 'path', SMBSERVER_DIR)
                                                91
  mssqlinstance.py
                                                92
  netview.py
                                                               # IPC always needed
                                                93
                                                               smbConfig.add_section('IPC$')
                                                94
  nmapAnswerMachine.py
                                                               smbConfig.set('IPC$','comment','')
                                                95
ntfs-read.py
                                                               smbConfig.set('IPC$','read only','yes')
                                                96
                                                               smbConfig.set('IPC$','share type','3')
                                                97
ntlmrelayx.py
                                                               smbConfig.set('IPC$','path','')
                                                98
                                                99
ping.py
                                                               self.smb = smbserver.SMBSERVER(('0.0.0.0',445), config_parser = smbConfig)
                                               100
ping6.py
                                                               logging.info('Creating tmp directory')
                                               101
                                               102
                                                               try:
psexec.py
                                                                   os.mkdir(SMBSERVER_DIR)
                                               103
raiseChild.py
                                                               except Exception as e:
                                               104
                                                                   logging.critical(str(e))
                                               105
rbcd.py
                                               106
                                                               logging.info('Setting up SMB Server')
                                               107
rdp_check.py
                                                               self.smb.processConfigFile()
                                               108
                                                               logging.info('Ready to listen...')
                                               109
reg.py
                                               110
                                                               try:
registry-read.py
                                                                   self.smb.serve_forever()
                                               111
                                               112
                                                               except:
rpcdump.py
                                               113
                                                                   pass
                                               114
rpcmap.py
                                                           def stop(self):
                                               115 V
sambaPipe.py
                                                               self.cleanup_server()
                                               116
                                                               self.smb.socket.close()
                                               117
                                               118
                                                               self.smb.server_close()
                                                               self._Thread__stop()
                                               119
                                               120
                                               121 🗸
                                                      class CMDEXEC:
                                                           def __init__(self, username='', password='', domain='', hashes=None, aesKey=None, d
                                               122
                                                                         kdcHost=None, mode=None, share=None, port=445, serviceName=SERVICE_NAM
                                               123
                                               124
                                               125
                                                               self.__username = username
                                               126
                                                               self.__password = password
```

self.__port = port

self.__nthash = ''

self.__domain = domain
self.__lmhash = ''

self.__serviceName = serviceName

127

128

129

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131

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132
                self.__aesKey = aesKey
133
                self.__doKerberos = doKerberos
                self.__kdcHost = kdcHost
134
                self. share = share
135
                self.__mode = mode
136
                self.__shell_type = shell_type
137
                self.shell = None
138
139
                if hashes is not None:
140
                    self.__lmhash, self.__nthash = hashes.split(':')
141
142 ∨
            def run(self, remoteName, remoteHost):
                stringbinding = r'ncacn_np:%s[\pipe\svcctl]' % remoteName
143
                logging.debug('StringBinding %s'%stringbinding)
144
                rpctransport = transport.DCERPCTransportFactory(stringbinding)
145
                rpctransport.set_dport(self.__port)
146
                rpctransport.setRemoteHost(remoteHost)
147
                if hasattr(rpctransport, 'set_credentials'):
148
                    # This method exists only for selected protocol sequences.
149
                    rpctransport.set_credentials(self.__username, self.__password, self.__domai
150
                                                  self.__nthash, self.__aesKey)
151
                rpctransport.set_kerberos(self.__doKerberos, self.__kdcHost)
152
153
                self.shell = None
154
155
                try:
                    if self.__mode == 'SERVER':
156
                        serverThread = SMBServer()
157
                        serverThread.daemon = True
158
                        serverThread.start()
159
                    self.shell = RemoteShell(self.__share, rpctransport, self.__mode, self.__se
160
                    self.shell.cmdloop()
161
                    if self.__mode == 'SERVER':
162
                        serverThread.stop()
163
                except (Exception, KeyboardInterrupt) as e:
164
                    if logging.getLogger().level == logging.DEBUG:
165
                        import traceback
166
                        traceback.print_exc()
167
                    logging.critical(str(e))
168
                    if self.shell is not None:
169
170
                        self.shell.finish()
                    sys.stdout.flush()
171
172
                    sys.exit(1)
173
       class RemoteShell(cmd.Cmd):
174 ∨
175
            def __init__(self, share, rpc, mode, serviceName, shell_type):
                cmd.Cmd.__init__(self)
176
177
                self.__share = share
```

impacket/examples/smbexec.py at edef71f17bc1 https://github.com/fortra/impacket/blob/edef71f17bc	1240f9f8c957bbda98662951ac3ec · fortra/impacket · GitHub - 02/11/2024 11:37 1240f9f8c957bbda98662951ac3ec/examples/smbexec.py#L60	

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333
334
            group.add_argument('-dc-ip', action='store',metavar = "ip address", help='IP Addres
                               'If omitted it will use the domain part (FQDN) specified in the
335
336
            group.add_argument('-target-ip', action='store', metavar="ip address", help='IP Add
337
                               'ommited it will use whatever was specified as target. This is u
338
                               'name and you cannot resolve it')
339
            group.add_argument('-port', choices=['139', '445'], nargs='?', default='445', metav
340
                               help='Destination port to connect to SMB Server')
341
            group.add_argument('-service-name', action='store', metavar="service_name", default
342
                                                  'service used to trigger the payload')
343
344
            group = parser.add_argument_group('authentication')
345
346
            group.add_argument('-hashes', action="store", metavar = "LMHASH:NTHASH", help='NTLM
347
            group.add_argument('-no-pass', action="store_true", help='don\'t ask for password (
348
            group.add_argument('-k', action="store_true", help='Use Kerberos authentication. Gr
349
                               '(KRB5CCNAME) based on target parameters. If valid credentials c
350
                               'ones specified in the command line')
            group.add_argument('-aesKey', action="store", metavar = "hex key", help='AES key to
351
352
                                                                                     '(128 or 25
            group.add_argument('-keytab', action="store", help='Read keys for SPN from keytab f
353
354
355
```

```
356
            if len(sys.argv)==1:
357
                parser.print_help()
                sys.exit(1)
358
359
            options = parser.parse_args()
360
361
362
            # Init the example's logger theme
363
            logger.init(options.ts)
364
365
            if options.codec is not None:
                CODEC = options.codec
366
367
            else:
                if CODEC is None:
368
369
                    CODEC = 'utf-8'
370
371
            if options.debug is True:
372
                logging.getLogger().setLevel(logging.DEBUG)
373
                # Print the Library's installation path
374
                logging.debug(version.getInstallationPath())
375
            else:
376
                logging.getLogger().setLevel(logging.INFO)
377
378
            domain, username, password, remoteName = parse_target(options.target)
379
380
            if domain is None:
                domain = ''
381
382
383
            if options.keytab is not None:
                Keytab.loadKeysFromKeytab (options.keytab, username, domain, options)
384
                options.k = True
385
386
387
            if password == '' and username != '' and options.hashes is None and options.no_pass
                from getpass import getpass
388
389
                password = getpass("Password:")
390
391
            if options.target_ip is None:
392
                options.target_ip = remoteName
393
394
            if options.aesKey is not None:
395
                options.k = True
396
397
            try:
398
                executer = CMDEXEC(username, password, domain, options.hashes, options.aesKey,
399
                                    options.mode, options.share, int(options.port), options.serv
400
                executer.run(remoteName, options.target_ip)
401
            except Exception as e:
                if logging.getLogger().level == logging.DEBUG:
402
                    import traceback
403
                    traceback.print exc()
404
                logging.critical(str(e))
405
406
            sys.exit(0)
```