**1. Port Nedir, Ne İşe Yarar ve Amacı Nedir?**

Bir bilgisayar ağında **port (bağlantı noktası)**, veri trafiğinin belirli bir uygulama veya hizmete yönlendirildiği sanal bir iletişim noktasıdır. IP adresi, verinin hangi cihaza gideceğini belirlerken, port numarası ise o cihazın içinde hangi yazılıma veya sürece (servise) ulaşılacağını belirler.

**Temel İşlevi ve Önemi:**

* **Çoğullama ve Çoğuldan Ayırma (Multiplexing/Demultiplexing):** Bir sunucu, aynı anda yüzlerce farklı istemciden gelen trafiği işleyebilir (örneğin bir web sunucusu). Portlar, işletim sisteminin gelen bir veri paketini (TCP segmenti veya UDP datagramı) hangi uygulamanın beklediğini anlamasını sağlar.
* **Hizmet Tanımlama:** Port numaraları, ağ üzerindeki belirli bir hizmeti standart bir şekilde tanımlar. Bir web tarayıcısı, web sitesi verisi beklediğinde, genellikle 80 (HTTP) veya 443 (HTTPS) numaralı portu kullanacağını bilir.

**2. İlk 1024 Portun Kategorisi: İyi Bilinen Portlar (Well-Known Ports)**

İnternet Assigned Numbers Authority (IANA), port numaralarını üç ana kategoriye ayırmıştır:

| **Port Aralığı** | **Adı** | **Amaç ve Kullanım** |
| --- | --- | --- |
| **0 - 1023** | **İyi Bilinen Portlar (Well-Known Ports) / Sistem Portları** | En yaygın ve temel internet servisleri için IANA tarafından kalıcı olarak rezerve edilmiştir. Bu portları kullanmak çoğu işletim sisteminde yönetici (root) yetkisi gerektirir. |
| 1024 - 49151 | Kayıtlı Portlar (Registered Ports) | Daha az yaygın ticari veya özel uygulamalar için kaydedilir. |
| 49152 - 65535 | Dinamik/Özel Portlar (Dynamic/Private Ports) | İstemci uygulamaları tarafından geçici (ephemeral) bağlantılar için dinamik olarak atanır. |

**3. İlk 1024 Portun (0-1023) Tam Listesi**

Aşağıdaki liste, IANA (Internet Assigned Numbers Authority) tarafından belirlenen ve 0'dan 1023'e kadar olan portlara atanan Hizmet Adlarını (Service Name) içermektedir. **Kalın** yazılanlar en yaygın bilinen ve kullanılan portlardır.

| **Port No.** | **Hizmet Adı (Service Name)** | **Port No.** | **Hizmet Adı (Service Name)** | **Port No.** | **Hizmet Adı (Service Name)** | **Port No.** | **Hizmet Adı (Service Name)** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **0** | Reserved (Ayrılmış) | **26** | Unassigned | **52** | XNS-IDP | **78** | Unassigned |
| **1** | tcpmux | **27** | nsw-fe | **53** | **domain (DNS)** | **79** | **finger** |
| **2** | Reserved | **28** | Unassigned | **54** | XNS-Auth | **80** | **http (HTTP)** |
| **3** | Reserved | **29** | msg-icp | **55** | XNS-Clearing | **81** | Unassigned |
| **4** | Unassigned | **30** | Unassigned | **56** | XNS-Auth-UDP | **82** | Unassigned |
| **5** | rje | **31** | msg-auth | **57** | Reserved | **83** | Unassigned |
| **6** | Unassigned | **32** | Unassigned | **58** | XNS-Coures | **84** | Unassigned |
| **7** | **echo** | **33** | dsp | **59** | XNS-IDP-Error | **85** | Unassigned |
| **8** | Unassigned | **34** | Unassigned | **60** | Unassigned | **86** | Unassigned |
| **9** | **discard** | **35** | private-print | **61** | NI-MAIL | **87** | Unassigned |
| **10** | Unassigned | **36** | Unassigned | **62** | NI-FTP | **88** | **kerberos** |
| **11** | systat | **37** | **time** | **63** | whois++ | **89** | su-mit-tg |
| **12** | Unassigned | **38** | rap | **64** | covia | **90** | dnsix |
| **13** | **daytime** | **39** | rlp | **65** | tftp-mcast | **91** | mit-tl-multiplex |
| **14** | Unassigned | **40** | Unassigned | **66** | public-inet | **92** | dcp |
| **15** | Unassigned | **41** | graphics | **67** | **bootps (DHCP/BOOTP Sunucu)** | **93** | objcall |
| **16** | Unassigned | **42** | **nameserver** | **68** | **bootpc (DHCP/BOOTP İstemci)** | **94** | maa-bap |
| **17** | **qotd** | **43** | **whois** | **69** | **tftp** | **95** | supdup |
| **18** | msp | **44** | mpm-flags | **70** | gopher | **96** | dixie |
| **19** | **chargen** | **45** | mpm | **71** | netrjs-1 | **97** | swift-rvf |
| **20** | **ftp-data** | **46** | mpm-snd | **72** | netrjs-2 | **98** | tacnews |
| **21** | **ftp** | **47** | Reserved | **73** | netrjs-3 | **99** | metagram |
| **22** | **ssh** | **48** | auditd | **74** | netrjs-4 | **100** | newacct |
| **23** | **telnet** | **49** | **tacacs** | **75** | Unassigned | **101** | hostname |
| **24** | private mail | **50** | re-mail-ck | **76** | Unassigned | **102** | iso-tsap |
| **25** | **smtp** | **51** | la-maint | **77** | Unassigned | **103** | gppitnp |
| **104** | rtelnet | **198** | Unassigned | **310** | Unassigned | **422** | Unassigned |
| **105** | sftp | **199** | smux | **311** | opersvc | **423** | Unassigned |
| **106** | poppassd | **200** | Unassigned | **312** | Unassigned | **424** | Unassigned |
| **107** | rtelnet-d | **201** | at-rtmp | **313** | Unassigned | **425** | icad |
| **108** | Unassigned | **202** | at-nbp | **314** | Unassigned | **426** | osb-sd |
| **109** | **pop2** | **203** | at-3 | **315** | Unassigned | **427** | **slp (SLP)** |
| **110** | **pop3** | **204** | at-echo | **316** | Unassigned | **428** | Unassigned |
| **111** | **rpcbind/portmap** | **205** | at-5 | **317** | Unassigned | **429** | Unassigned |
| **112** | Unassigned | **206** | at-zis | **318** | Unassigned | **430** | Unassigned |
| **113** | **ident** | **207** | at-7 | **319** | Unassigned | **431** | Unassigned |
| **114** | Reserved | **208** | at-8 | **320** | Unassigned | **432** | rwhois |
| **115** | **sftp (Simple FTP)** | **209** | qmtp | **321** | Unassigned | **433** | Unassigned |
| **116** | anet | **210** | z39.50 | **322** | Unassigned | **434** | mobileip-agent |
| **117** | Unassigned | **211** | 914c/as-a | **323** | Unassigned | **435** | Unassigned |
| **118** | sqlserv | **212** | Unassigned | **324** | Unassigned | **436** | Unassigned |
| **119** | **nntp** | **213** | ipx | **325** | Reserved | **437** | Unassigned |
| **120** | Unassigned | **214** | vim | **326** | Reserved | **438** | Unassigned |
| **121** | Unassigned | **215** | kimserver | **327** | Reserved | **439** | Unassigned |
| **122** | Unassigned | **216** | rdshost | **328** | Reserved | **440** | Unassigned |
| **123** | **ntp** | **217** | Unassigned | **329** | Reserved | **441** | Unassigned |
| **124** | Unassigned | **218** | aa-suite | **330** | Reserved | **442** | Unassigned |
| **125** | Unassigned | **219** | Unassigned | **331** | Reserved | **443** | **https (HTTPS)** |
| **126** | Unassigned | **220** | imap3 | **332** | Reserved | **444** | snpp |
| **127** | Unassigned | **221** | Reserved | **333** | Reserved | **445** | **microsoft-ds (SMB/CIFS)** |
| **128** | Unassigned | **222** | Reserved | **334** | Reserved | **446** | Unassigned |
| **129** | Unassigned | **223** | Reserved | **335** | Reserved | **447** | Unassigned |
| **130** | Unassigned | **224** | Reserved | **336** | Reserved | **448** | Unassigned |
| **131** | Unassigned | **225** | Reserved | **337** | Reserved | **449** | Unassigned |
| **132** | Unassigned | **226** | Reserved | **338** | Reserved | **450** | Unassigned |
| **133** | Unassigned | **227** | Reserved | **339** | Reserved | **451** | Unassigned |
| **134** | Unassigned | **228** | Reserved | **340** | Reserved | **452** | Unassigned |
| **135** | **epmap (RPC)** | **229** | Reserved | **341** | Reserved | **453** | Unassigned |
| **136** | profile | **230** | Reserved | **342** | Reserved | **454** | Unassigned |
| **137** | **netbios-ns** | **231** | Reserved | **343** | Reserved | **455** | Unassigned |
| **138** | **netbios-dgm** | **232** | Reserved | **344** | Reserved | **456** | Unassigned |
| **139** | **netbios-ssn** | **233** | Reserved | **345** | Reserved | **457** | Unassigned |
| **140** | emfis-data | **234** | Reserved | **346** | Reserved | **458** | Unassigned |
| **141** | emfis-cntl | **235** | Reserved | **347** | Reserved | **459** | Unassigned |
| **142** | Unassigned | **236** | Reserved | **348** | Reserved | **460** | Unassigned |
| **143** | **imap** | **237** | Reserved | **349** | Reserved | **461** | Unassigned |
| **144** | news | **238** | Reserved | **350** | Reserved | **462** | Unassigned |
| **145** | Unassigned | **239** | Reserved | **351** | Reserved | **463** | Unassigned |
| **146** | Unassigned | **240** | Reserved | **352** | Reserved | **464** | **kpasswd** |
| **147** | Unassigned | **241** | Reserved | **353** | Reserved | **465** | **smtps** |
| **148** | Unassigned | **242** | Reserved | **354** | Reserved | **466** | Unassigned |
| **149** | Unassigned | **243** | Reserved | **355** | Reserved | **467** | Unassigned |
| **150** | Unassigned | **244** | Reserved | **356** | Reserved | **468** | Unassigned |
| **151** | Unassigned | **245** | Reserved | **357** | Reserved | **469** | Unassigned |
| **152** | Unassigned | **246** | Reserved | **358** | Reserved | **470** | Unassigned |
| **153** | Unassigned | **247** | Reserved | **359** | Reserved | **471** | Unassigned |
| **154** | Unassigned | **248** | Reserved | **360** | Reserved | **472** | Unassigned |
| **155** | Unassigned | **249** | Reserved | **361** | Reserved | **473** | Unassigned |
| **156** | Unassigned | **250** | Reserved | **362** | Reserved | **474** | Unassigned |
| **157** | Unassigned | **251** | Reserved | **363** | Reserved | **475** | Unassigned |
| **158** | Unassigned | **252** | Reserved | **364** | Reserved | **476** | Unassigned |
| **159** | Unassigned | **253** | Reserved | **365** | Reserved | **477** | Unassigned |
| **160** | Unassigned | **254** | Reserved | **366** | Reserved | **478** | Unassigned |
| **161** | **snmp (SNMP Agent)** | **255** | Reserved | **367** | Reserved | **479** | Unassigned |
| **162** | **snmp-trap (SNMP Trap)** | **256** | Reserved | **368** | Reserved | **480** | Reserved |
| **163** | Unassigned | **257** | Reserved | **369** | Reserved | **481** | Reserved |
| **164** | Unassigned | **258** | Reserved | **370** | Reserved | **482** | Reserved |
| **165** | Unassigned | **259** | Reserved | **371** | Reserved | **483** | Reserved |
| **166** | Unassigned | **260** | Reserved | **372** | Reserved | **484** | Reserved |
| **167** | Unassigned | **261** | Reserved | **373** | Reserved | **485** | Reserved |
| **168** | Unassigned | **262** | Reserved | **374** | Reserved | **486** | Reserved |
| **169** | Unassigned | **263** | Reserved | **375** | Reserved | **487** | Reserved |
| **170** | Unassigned | **264** | Reserved | **376** | Reserved | **488** | Reserved |
| **171** | Unassigned | **265** | Reserved | **377** | Reserved | **489** | Reserved |
| **172** | Unassigned | **266** | Reserved | **378** | Reserved | **490** | Reserved |
| **173** | Unassigned | **267** | Reserved | **379** | Reserved | **491** | Reserved |
| **174** | Unassigned | **268** | Reserved | **380** | Reserved | **492** | Reserved |
| **175** | Unassigned | **269** | Reserved | **381** | Reserved | **493** | Reserved |
| **176** | Unassigned | **270** | Reserved | **382** | Reserved | **494** | Reserved |
| **177** | Unassigned | **271** | Reserved | **383** | Reserved | **495** | Reserved |
| **178** | Reserved | **272** | Reserved | **384** | Reserved | **496** | Reserved |
| **179** | **bgp (BGP)** | **273** | Reserved | **385** | Reserved | **497** | Reserved |
| **180** | Reserved | **274** | Reserved | **386** | Reserved | **498** | Reserved |
| **181** | Reserved | **275** | Reserved | **387** | Reserved | **499** | Reserved |
| **182** | Reserved | **276** | Reserved | **388** | Reserved | **500** | **isakmp** |
| **183** | Reserved | **277** | Reserved | **389** | **ldap (LDAP)** | **501** | Unassigned |
| **184** | Reserved | **278** | Reserved | **390** | Reserved | **502** | Unassigned |
| **185** | Reserved | **279** | Reserved | **391** | Reserved | **503** | Unassigned |
| **186** | Reserved | **280** | http-mgmt | **392** | Reserved | **504** | Unassigned |
| **187** | Reserved | **281** | Reserved | **393** | Reserved | **505** | Unassigned |
| **188** | Reserved | **282** | Reserved | **394** | Reserved | **506** | Unassigned |
| **189** | Reserved | **283** | Reserved | **395** | Reserved | **507** | Unassigned |
| **190** | Reserved | **284** | Reserved | **396** | Reserved | **508** | Unassigned |
| **191** | Reserved | **285** | Reserved | **397** | Reserved | **509** | Unassigned |
| **192** | Reserved | **286** | Reserved | **398** | Reserved | **510** | Reserved |
| **193** | Reserved | **287** | Reserved | **399** | Reserved | **511** | Unassigned |
| **194** | **irc** | **288** | Reserved | **400** | Reserved | **512** | **exec/biff** |
| **195** | Unassigned | **289** | Reserved | **401** | Reserved | **513** | **login/who** |
| **196** | Unassigned | **290** | Reserved | **402** | Reserved | **514** | **shell/syslog** |
| **197** | Unassigned | **291** | Reserved | **403** | Reserved | **515** | **printer (LPR/LPD)** |
| **516** | Unassigned | **627** | Unassigned | **748** | Unassigned | **864** | Unassigned |
| **517** | Unassigned | **628** | Unassigned | **749** | Unassigned | **865** | Unassigned |
| **518** | Unassigned | **629** | Unassigned | **750** | **kerberos-adm** | **866** | Unassigned |
| **519** | Unassigned | **630** | Unassigned | **751** | Unassigned | **867** | Unassigned |
| **520** | **rip** | **631** | **ipp** | **752** | Unassigned | **868** | Unassigned |
| **521** | Unassigned | **632** | Unassigned | **753** | Unassigned | **869** | Unassigned |
| **522** | Unassigned | **633** | Unassigned | **754** | Unassigned | **870** | Unassigned |
| **523** | Unassigned | **634** | Unassigned | **755** | Reserved | **871** | Unassigned |
| **524** | **ncp** | **635** | Unassigned | **756** | Reserved | **872** | Unassigned |
| **525** | Unassigned | **636** | **ldaps (LDAP over SSL)** | **757** | Reserved | **873** | **rsync** |
| **526** | Unassigned | **637** | Unassigned | **758** | Reserved | **874** | Unassigned |
| **527** | Unassigned | **638** | Unassigned | **759** | Reserved | **875** | Unassigned |
| **528** | Unassigned | **639** | Unassigned | **760** | Reserved | **876** | Unassigned |
| **529** | Unassigned | **640** | Unassigned | **761** | Reserved | **877** | Unassigned |
| **530** | **courier** | **641** | Unassigned | **762** | Reserved | **878** | Unassigned |
| **531** | **chat** | **642** | Unassigned | **763** | Reserved | **879** | Unassigned |
| **532** | **netnews** | **643** | Unassigned | **764** | Reserved | **880** | Unassigned |
| **533** | **write** | **644** | Reserved | **765** | Reserved | **881** | Unassigned |
| **534** | Unassigned | **645** | Reserved | **766** | Reserved | **882** | Unassigned |
| **535** | Unassigned | **646** | Reserved | **767** | Reserved | **883** | Unassigned |
| **536** | Unassigned | **647** | Reserved | **768** | Reserved | **884** | Unassigned |
| **537** | Unassigned | **648** | Reserved | **769** | Reserved | **885** | Unassigned |
| **538** | Unassigned | **649** | Reserved | **770** | Reserved | **886** | Unassigned |
| **539** | Unassigned | **650** | Reserved | **771** | Reserved | **887** | Unassigned |
| **540** | **uucp** | **651** | Reserved | **772** | Reserved | **888** | **cddbp** |
| **541** | **uucp-dom** | **652** | Reserved | **773** | Reserved | **889** | Unassigned |
| **542** | **klogin** | **653** | Reserved | **774** | Reserved | **890** | Unassigned |
| **543** | **kshell** | **654** | Reserved | **775** | Reserved | **891** | Unassigned |
| **544** | **krcmd** | **655** | Reserved | **776** | Reserved | **892** | Unassigned |
| **545** | **nfs-server** | **656** | Reserved | **777** | Reserved | **893** | Unassigned |
| **546** | **dhcpv6-client** | **657** | Reserved | **778** | Reserved | **894** | Unassigned |
| **547** | **dhcpv6-server** | **658** | Reserved | **779** | Reserved | **895** | Unassigned |
| **548** | **afpovertcp** | **659** | Reserved | **780** | Reserved | **896** | Unassigned |
| **549** | **idfp** | **660** | Reserved | **781** | Reserved | **897** | Unassigned |
| **550** | **new-rwho** | **661** | Reserved | **782** | Reserved | **898** | Unassigned |
| **551** | **rtsp** | **662** | Reserved | **783** | Reserved | **899** | Unassigned |
| **552** | **dsf** | **663** | Reserved | **784** | Reserved | **900** | Reserved |
| **553** | **Unassigned** | **664** | Reserved | **785** | Reserved | **901** | Reserved |
| **554** | **rtsp (RTSP)** | **665** | Reserved | **786** | Reserved | **902** | Reserved |
| **555** | **Reserved** | **666** | Reserved | **787** | Reserved | **903** | Reserved |
| **556** | **Reserved** | **667** | Reserved | **788** | Reserved | **904** | Reserved |
| **557** | **Reserved** | **668** | Reserved | **789** | Reserved | **905** | Reserved |
| **558** | **Reserved** | **669** | Reserved | **790** | Reserved | **906** | Reserved |
| **559** | **Reserved** | **670** | Reserved | **791** | Reserved | **907** | Reserved |
| **560** | **Reserved** | **671** | Reserved | **792** | Reserved | **908** | Reserved |
| **561** | **Reserved** | **672** | Reserved | **793** | Reserved | **909** | Reserved |
| **562** | **Reserved** | **673** | Reserved | **794** | Reserved | **910** | Reserved |
| **563** | **Reserved** | **674** | Reserved | **795** | Reserved | **911** | Reserved |
| **564** | **Reserved** | **675** | Reserved | **796** | Reserved | **912** | Reserved |
| **565** | **Reserved** | **676** | Reserved | **797** | Reserved | **913** | Reserved |
| **566** | **Reserved** | **677** | Reserved | **798** | Reserved | **914** | Reserved |
| **567** | **Reserved** | **678** | Reserved | **799** | Reserved | **915** | Reserved |
| **568** | **Reserved** | **679** | Reserved | **800** | Reserved | **916** | Reserved |
| **569** | **Reserved** | **680** | Reserved | **801** | Reserved | **917** | Reserved |
| **570** | **Reserved** | **681** | Reserved | **802** | Reserved | **918** | Reserved |
| **571** | **Reserved** | **682** | Reserved | **803** | Reserved | **919** | Reserved |
| **572** | **Reserved** | **683** | Reserved | **804** | Reserved | **920** | Reserved |
| **573** | **Reserved** | **684** | Reserved | **805** | Reserved | **921** | Reserved |
| **574** | **Reserved** | **685** | Reserved | **806** | Reserved | **922** | Reserved |
| **575** | **Reserved** | **686** | Reserved | **807** | Reserved | **923** | Reserved |
| **576** | **Reserved** | **687** | Reserved | **808** | Reserved | **924** | Reserved |
| **577** | **Reserved** | **688** | Reserved | **809** | Reserved | **925** | Reserved |
| **578** | **Reserved** | **689** | Reserved | **810** | Reserved | **926** | Reserved |
| **579** | **Reserved** | **690** | Reserved | **811** | Reserved | **927** | Reserved |
| **580** | **Reserved** | **691** | Reserved | **812** | Reserved | **928** | Reserved |
| **581** | **Reserved** | **692** | Reserved | **813** | Reserved | **929** | Reserved |
| **582** | **Reserved** | **693** | Reserved | **814** | Reserved | **930** | Reserved |
| **583** | **Reserved** | **694** | **ptcp** | **815** | Reserved | **931** | Reserved |
| **584** | **Reserved** | **695** | Reserved | **816** | Reserved | **932** | Reserved |
| **585** | **Reserved** | **696** | Reserved | **817** | Reserved | **933** | Reserved |
| **586** | **Reserved** | **697** | Reserved | **818** | Reserved | **934** | Reserved |
| **587** | **submission** | **698** | Reserved | **819** | Reserved | **935** | Reserved |
| **588** | **Reserved** | **699** | Reserved | **820** | Reserved | **936** | Reserved |
| **589** | **Reserved** | **700** | Reserved | **821** | Reserved | **937** | Reserved |
| **590** | **Reserved** | **701** | Reserved | **822** | Reserved | **938** | Reserved |
| **591** | **Reserved** | **702** | Reserved | **823** | Reserved | **939** | Reserved |
| **592** | **Reserved** | **703** | Reserved | **824** | Reserved | **940** | Reserved |
| **593** | **http-rpc-epmap** | **704** | Reserved | **825** | Reserved | **941** | Reserved |
| **594** | **Reserved** | **705** | Reserved | **826** | Reserved | **942** | Reserved |
| **595** | **Reserved** | **706** | Reserved | **827** | Reserved | **943** | Reserved |
| **596** | **Reserved** | **707** | Reserved | **828** | Reserved | **944** | Reserved |
| **597** | **Reserved** | **708** | Reserved | **829** | Reserved | **945** | Reserved |
| **598** | **Reserved** | **709** | Reserved | **830** | Reserved | **946** | Reserved |
| **599** | **Reserved** | **710** | Reserved | **831** | Reserved | **947** | Reserved |
| **600** | **Reserved** | **711** | Reserved | **832** | Reserved | **948** | Reserved |
| **601** | **Reserved** | **712** | Reserved | **833** | Reserved | **949** | Reserved |
| **602** | **Reserved** | **713** | Reserved | **834** | Reserved | **950** | Reserved |
| **603** | **Reserved** | **714** | Reserved | **835** | Reserved | **951** | Reserved |
| **604** | **Reserved** | **715** | Reserved | **836** | Reserved | **952** | **whois-data** |
| **605** | **Reserved** | **716** | Reserved | **837** | Reserved | **953** | **rndc** |
| **606** | **Reserved** | **717** | Reserved | **838** | Reserved | **954** | Reserved |
| **607** | **Reserved** | **718** | Reserved | **839** | Reserved | **955** | Reserved |
| **608** | **Reserved** | **719** | Reserved | **840** | Reserved | **956** | Reserved |
| **609** | **Reserved** | **720** | Reserved | **841** | Reserved | **957** | Reserved |
| **610** | **Reserved** | **721** | Reserved | **842** | Reserved | **958** | Reserved |
| **611** | **Reserved** | **722** | Reserved | **843** | Reserved | **959** | Reserved |
| **612** | **Reserved** | **723** | Reserved | **844** | Reserved | **960** | Reserved |
| **613** | **Reserved** | **724** | Reserved | **845** | Reserved | **961** | Reserved |
| **614** | **Reserved** | **725** | Reserved | **846** | Reserved | **962** | Reserved |
| **615** | **Reserved** | **726** | Reserved | **847** | Reserved | **963** | Reserved |
| **616** | **Reserved** | **727** | Reserved | **848** | Reserved | **964** | Reserved |
| **617** | **Reserved** | **728** | Reserved | **849** | Reserved | **965** | Reserved |
| **618** | **Reserved** | **729** | Reserved | **850** | Reserved | **966** | Reserved |
| **619** | **Reserved** | **730** | Reserved | **851** | Reserved | **967** | Reserved |
| **620** | **Reserved** | **731** | Reserved | **852** | Reserved | **968** | Reserved |
| **621** | **Reserved** | **732** | Reserved | **853** | Reserved | **969** | Reserved |
| **622** | **Reserved** | **733** | Reserved | **854** | Reserved | **970** | Reserved |
| **623** | **Reserved** | **734** | Reserved | **855** | Reserved | **971** | Reserved |
| **624** | **Reserved** | **735** | Reserved | **856** | Reserved | **972** | Reserved |
| **625** | **Reserved** | **736** | Reserved | **857** | Reserved | **973** | Reserved |
| **626** | **Reserved** | **737** | Reserved | **858** | Reserved | **974** | Reserved |
| **975** | Reserved | **989** | **ftps-data** | **1003** | Reserved | **1017** | Reserved |
| **976** | Reserved | **990** | **ftps** | **1004** | Reserved | **1018** | Reserved |
| **977** | Reserved | **991** | **nas** | **1005** | Reserved | **1019** | Reserved |
| **978** | Reserved | **992** | **telnets** | **1006** | Reserved | **1020** | Reserved |
| **979** | Reserved | **993** | **imaps (IMAP over SSL)** | **1007** | Reserved | **1021** | Reserved |
| **980** | **Reserved** | **994** | **irsc** | **1008** | Reserved | **1022** | Reserved |
| **981** | **Reserved** | **995** | **pop3s (POP3 over SSL)** | **1009** | Reserved | **1023** | Reserved |
| **982** | **Reserved** | **996** | **Reserved** | **1010** | Reserved | **1024** | Kayıtlı Portlar Başlangıcı |
| **983** | **Reserved** | **997** | **Reserved** | **1011** | Reserved |  |  |
| **984** | **Reserved** | **998** | **Reserved** | **1012** | Reserved |  |  |
| **985** | **Reserved** | **999** | **Reserved** | **1013** | Reserved |  |  |
| **986** | **Reserved** | **1000** | **Reserved** | **1014** | Reserved |  |  |
| **987** | **Reserved** | **1001** | **Reserved** | **1015** | Reserved |  |  |
| **988** | **Reserved** | **1002** | **Reserved** | **1016** | Reserved |  |  |

**En Çok Bilinen Portlar ve Temel İşlevleri (0-1023 Aralığı)**

| **Port No. (TCP/UDP)** | **Protokol/Hizmet Adı** | **Temel İşlevi** |
| --- | --- | --- |
| **20** | **FTP Data** | FTP (Dosya Transfer Protokolü) ile gerçek dosya verisinin transfer edilmesi. (TCP) |
| **21** | **FTP Control** | FTP bağlantısının başlangıcı, oturum açma, komut gönderimi ve kontrolü. (TCP) |
| **22** | **SSH** (Secure Shell) | Uzak sunuculara güvenli, şifreli komut satırı erişimi sağlamak. (TCP) |
| **23** | **Telnet** | Uzak makinelere şifresiz, güvensiz komut satırı erişimi. (Günümüzde SSH tercih edilir.) (TCP) |
| **25** | **SMTP** (Simple Mail Transfer Protocol) | E-posta sunucuları arasında e-posta göndermek ve iletmek. (TCP) |
| **53** | **DNS** (Domain Name System) | Alan adlarını (örneğin https://www.google.com/search?q=google.com) IP adreslerine çevirmek. (TCP/UDP) |
| **67** | **DHCP (Server)** (Bootstrap Protocol Server) | Ağdaki cihazlara otomatik olarak IP adresi ve ağ ayarları atamak (Sunucu tarafı). (UDP) |
| **68** | **DHCP (Client)** (Bootstrap Protocol Client) | Ağdaki cihazların IP adresi istemek için kullandığı port (İstemci tarafı). (UDP) |
| **69** | **TFTP** (Trivial FTP) | Genellikle ağ cihazlarının (yönlendiriciler) basit yapılandırma dosyalarını indirmesi için kullanılan basit bir dosya transferi. (UDP) |
| **80** | **HTTP** (Hypertext Transfer Protocol) | Şifresiz, standart web sayfalarını (internet sitelerini) görüntülemek. (TCP) |
| **110** | **POP3** (Post Office Protocol v3) | E-posta istemcilerinin e-postaları sunucudan indirmesi. (TCP) |
| **111** | **RPC / Portmap** (Remote Procedure Call) | Uygulamaların uzak bilgisayarlardaki hizmetleri çağırmasına izin veren bir mekanizma. (TCP/UDP) |
| **123** | **NTP** (Network Time Protocol) | Bilgisayar sistemlerinin saatlerini senkronize etmek. (UDP) |
| **137-139** | **NetBIOS** | Windows ağlarında isim çözümleme ve dosya/yazıcı paylaşımı (SMB için öncü). (TCP/UDP) |
| **143** | **IMAP** (Internet Message Access Protocol) | E-posta istemcilerinin e-postaları sunucuda tutarak erişmesi. (TCP) |
| **161** | **SNMP** (Simple Network Management Protocol) | Ağ cihazlarını (yönlendirici, sunucu) izlemek ve yönetmek. (UDP) |
| **162** | **SNMP Trap** | Ağ cihazlarının kritik olayları (hata, arıza) merkezi yönetime bildirmesi. (UDP) |
| **179** | **BGP** (Border Gateway Protocol) | İnternetin omurgasını oluşturan yönlendiriciler arasında yol (routing) bilgisi alışverişi. (TCP) |
| **389** | **LDAP** (Lightweight Directory Access Protocol) | Kullanıcı, bilgisayar ve kaynak bilgilerini tutan merkezi dizin hizmetlerine erişim. (TCP/UDP) |
| **443** | **HTTPS** (HTTP Secure) | Güvenli, şifreli web sayfalarını (SSL/TLS kullanarak) görüntülemek. (TCP) |
| **445** | **SMB/CIFS** (Microsoft-DS) | Windows ortamlarında dosya ve yazıcı paylaşımı (NetBIOS olmadan doğrudan IP üzerinden). (TCP) |
| **500** | **ISAKMP / IKE** | IPSec VPN tünelleri kurmak için kullanılan anahtar değişimi protokolü. (UDP) |
| **514** | **Syslog** | Sistemlerin ve ağ cihazlarının olay günlüklerini (log) merkezi bir sunucuya göndermesi. (UDP) |
| **587** | **Submission** | E-posta göndermek için, kimlik doğrulama gerektiren modern SMTP istemci-sunucu bağlantıları. (TCP) |
| **993** | **IMAPS** (IMAP Secure) | Şifreli IMAP erişimi. (TCP) |
| **995** | **POP3S** (POP3 Secure) | Şifreli POP3 erişimi. (TCP) |

**Reserved, Unassigned, Unused Kavramları**

**1. Reserved (Ayrılmış)**

**Anlamı:** Bu port numaraları, IANA (Internet Assigned Numbers Authority) tarafından **gelecekteki olası kullanımlar için** resmen rezerve edilmiş ve ayrılmıştır.

**Kullanım Amacı:**

* **Henüz Tanımlanmamış Standartlar:** Gelecekte çıkabilecek veya geliştirilmekte olan bir ağ protokolü veya hizmeti için bir yer tutulur.
* **Protokol Testleri:** Bazen deneysel veya sadece belirli amaçlar için geçici olarak ayrılan durumları ifade edebilir.

**Önemli Not:** "Reserved" olarak işaretlenen bir portun genellikle hiçbir uygulama veya servis tarafından kullanılmaması gerekir, aksi takdirde gelecekteki bir standartla çakışma riski oluşur.

* **Port Örnekleri (0-1023 Aralığında):** Port 2, 3, 555, 600-626, 755-766.

**2. Unassigned (Atanmamış)**

**Anlamı:** Bu port numaraları, IANA tarafından **resmi olarak hiçbir hizmete veya protokole atanmamış** boş portlardır.

**Kullanım Amacı:**

* **Özel Uygulamalar:** "Unassigned" portlar genellikle sistem seviyesinde önemi olmayan, tamamen **özel veya tescilli (proprietary) uygulamalar** tarafından kullanılabilir.
* **Geçici Atama:** Bir yazılım geliştiricisi, kendi uygulamasının iletişim kurması için "Unassigned" bir portu tercih edebilir.
* **Not:** 1024-49151 aralığındaki "Kayıtlı Portlar" kategorisi ile karıştırılmamalıdır. Kayıtlı portlar bir amaca atanmıştır; unassigned portlar ise henüz hiçbir amaca atanmamıştır.

**Önemli Not:** Bir portun "Unassigned" olması, o portun güvenli olduğu veya boş kalacağı anlamına gelmez. Uygulamalar bu portları dinamik olarak veya sabit olarak kullanabilir.

* **Port Örnekleri (0-1023 Aralığında):** Port 4, 6, 8, 10, 12, 14.

**3. Unused / Unallocated (Kullanılmayan / Tahsis Edilmemiş)**

Port numaraları bağlamında genellikle "Unassigned" terimi kullanılırken, bazı listelerde bu terimler de karşınıza çıkabilir:

**Unallocated (Tahsis Edilmemiş)**

Bu terim, genellikle **daha geniş bir port aralığının** (örneğin 1024'ten sonraki daha büyük aralıklar için) henüz IANA tarafından resmi olarak "Kayıtlı Port" veya "Dinamik Port" olarak bir alt kategoriye dahil edilmediği anlamına gelir. Portların statüleri zaman zaman IANA tarafından güncellendiği için, bu terimler eskiye nazaran daha az kullanılır.

**Unused (Kullanılmayan)**

Bu, port numarası atamasının teknik bir statüsü olmaktan ziyade, **pratik bir durumu** ifade eder: Bir port numarası tanımlanmış olsa bile (örneğin 503 HTTP Proxy) o anki ağ üzerinde aktif olarak hiçbir sunucu veya hizmet tarafından kullanılmıyor olabilir. Bu terim, daha çok bir ağ taraması (port scanning) sonucunda elde edilen veriyi ifade etmek için kullanılır.

**Özet Tablo**

| **Terim** | **Türkçesi** | **Port Numarası Durumu** | **Kim Atar?** | **Genel Kural (0-1023)** |
| --- | --- | --- | --- | --- |
| **Reserved** | Ayrılmış | Gelecekteki bir amaca kesin olarak ayrılmıştır. | IANA | Kesinlikle kullanılmamalıdır. |
| **Unassigned** | Atanmamış | Şu anda resmi olarak herhangi bir amaca atanmamış, boş. | IANA | Özel uygulamalar kullanabilir, ancak çakışma riski vardır. |
| **Well-Known** | İyi Bilinen | **(Karşılaştırma)** FTP, HTTP gibi standart protokollere resmen atanmıştır. | IANA | Yalnızca belirlenen standart hizmetler tarafından kullanılır. |