# FIREWALL

*Temat 1.*

franz-bonaparta.github.io

01

# FIREWALL?

Firewall (zapora sieciowa) to cyfrowy ochroniarz, który stoi na straży Twojego komputera lub serwera i pilnuje bezpieczeństwa w sieci. System operacyjny posiada tysiące wirtualnych drzwi, zwanych portami, przez które przepływają różne dane (np. strony WWW czy przesyłane pliki). Zapora działa według prostej listy reguł – sprawdza ruch wchodzący do komputera oraz wychodzący na zewnątrz. Jeśli wykryje nieznane lub zablokowane przez Ciebie połączenie, natychmiast zatrzaskuje te drzwi przed nosem, chroniąc system przed zagrożeniami.

02

# KIERUNKI RUCHU

- Zapora sieciowa dzieli cały ruch sieciowy na dwa główne kierunki, których pilnuje osobno. Ruch przychodzący (Inbound) to wszystkie połączenia, które próbują dostać się z sieci zewnętrznej do wnętrza naszego serwera.
- Z kolei ruch wychodzący (Outbound) to dane wysyłane z naszego serwera na zewnątrz, na przykład podczas przeglądania stron internetowych.

03

# PORTY SIECIOWE

- Port 80 (HTTP) – ruch odpowiedzialny za zwykłe strony internetowe.
- Port 443 (HTTPS) – ruch dla bezpiecznych, szyfrowanych stron WWW.
- Port 21 (FTP) – ruch służący do przesyłania plików na serwer.
- Protokół ICMP (Ping) – specjalny ruch diagnostyczny (nie ma numeru, wybiera się go jako osobny protokół), który służy do sprawdzania, czy komputery w ogóle się „widzą”.

# BLOKOWANIE PORTU

Windows Server 2016 (2) - VMware Workstation

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Windows Firewall with Advanced Security

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- Windows Firewall with Advance
  - Inbound Rules
  - Outbound Rules
  - Connection Security Rules
  - Monitoring

## Inbound Rules

| Name | Group | Profile | Enabled | Action | Override | Program | Local Address | Remote Address | Protocol | Local Port | Remote Port | Authorized Users | Auth |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blokada_WWW | | All | Yes | Block | No | Any | Any | Any | TCP | 80 | Any | Any | Any |
| AllJoyn Router (TCP-In) | AllJoyn Router | Domai... | Yes | Allow | No | %System... | Any | Any | TCP | 9955 | Any | Any | Any |
| AllJoyn Router (UDP-In) | AllJoyn Router | Domai... | Yes | Allow | No | %System... | Any | Any | UDP | Any | Any | Any | Any |
| BranchCache Content Retrieval (HTTP-In) | BranchCache - Content Retr... | All | No | Allow | No | SYSTEM | Any | Any | TCP | 80 | Any | Any | Any |
| BranchCache Hosted Cache Server (HTT... | BranchCache - Hosted Cach... | All | No | Allow | No | SYSTEM | Any | Any | TCP | 80, 443 | Any | Any | Any |
| BranchCache Peer Discovery (WSD-In) | BranchCache - Peer Discove... | All | No | Allow | No | %system... | Any | Local subnet | UDP | 3702 | Any | Any | Any |
| Cast to Device functionality (qWave-TCP... | Cast to Device functionality | Private... | Yes | Allow | No | %System... | Any | PlayTo Renderers | TCP | 2177 | Any | Any | Any |
| Cast to Device functionality (qWave-UDP... | Cast to Device functionality | Private... | Yes | Allow | No | %System... | Any | PlayTo Renderers | UDP | 2177 | Any | Any | Any |
| Cast to Device SSDP Discovery (UDP-In) | Cast to Device functionality | Public | Yes | Allow | No | %System... | Any | Any | UDP | PlayTo Dis... | Any | Any | Any |
| Cast to Device streaming server (HTTP-St... | Cast to Device functionality | Domain | Yes | Allow | No | System | Any | Any | TCP | 10246 | Any | Any | Any |
| Cast to Device streaming server (HTTP-St... | Cast to Device functionality | Private | Yes | Allow | No | System | Any | Local subnet | TCP | 10246 | Any | Any | Any |
| Cast to Device streaming server (HTTP-St... | Cast to Device functionality | Public | Yes | Allow | No | System | Any | PlayTo Renderers | TCP | 10246 | Any | Any | Any |
| Cast to Device streaming server (RTCP-St... | Cast to Device functionality | Domain | Yes | Allow | No | %System... | Any | Any | UDP | Any | Any | Any | Any |
| Cast to Device streaming server (RTCP-St... | Cast to Device functionality | Public | Yes | Allow | No | %System... | Any | PlayTo Renderers | UDP | Any | Any | Any | Any |
| Cast to Device streaming server (RTCP-St... | Cast to Device functionality | Private | Yes | Allow | No | %System... | Any | Local subnet | UDP | Any | Any | Any | Any |
| Cast to Device streaming server (RTSP-Str... | Cast to Device functionality | Domain | Yes | Allow | No | %System... | Any | Any | TCP | 23554, 235... | Any | Any | Any |
| Cast to Device streaming server (RTSP-Str... | Cast to Device functionality | Public | Yes | Allow | No | %System... | Any | PlayTo Renderers | TCP | 23554, 235... | Any | Any | Any |
| Cast to Device streaming server (RTSP-Str... | Cast to Device functionality | Private | Yes | Allow | No | %System... | Any | Local subnet | TCP | 23554, 235... | Any | Any | Any |
| Cast to Device UPnP Events (TCP-In) | Cast to Device functionality | Public | Yes | Allow | No | System | Any | PlayTo Renderers | TCP | 2869 | Any | Any | Any |
| COM+ Network Access (DCOM-In) | COM+ Network Access | All | No | Allow | No | %system... | Any | Any | TCP | 135 | Any | Any | Any |
| COM+ Remote Administration (DCOM-In) | COM+ Remote Administrati... | All | No | Allow | No | %system... | Any | Any | TCP | RPC Dyna... | Any | Any | Any |
| Core Networking - Destination Unreacha... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Destination Unreacha... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv4 | Any | Any | Any | Any |
| Core Networking - Dynamic Host Config... | Core Networking | All | Yes | Allow | No | %System... | Any | Any | UDP | 68 | 67 | Any | Any |
| Core Networking - Dynamic Host Config... | Core Networking | All | Yes | Allow | No | %System... | Any | Any | UDP | 546 | 547 | Any | Any |
| Core Networking - Internet Group Mana... | Core Networking | All | Yes | Allow | No | System | Any | Any | IGMP | Any | Any | Any | Any |
| Core Networking - IPHTTPS (TCP-In) | Core Networking | All | Yes | Allow | No | System | Any | Any | TCP | IPHTTPS | Any | Any | Any |
| Core Networking - IPv6 (IPv6-In) | Core Networking | All | Yes | Allow | No | System | Any | Any | IPv6 | Any | Any | Any | Any |
| Core Networking - Multicast Listener Do... | Core Networking | All | Yes | Allow | No | System | Any | Local subnet | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Multicast Listener Qu... | Core Networking | All | Yes | Allow | No | System | Any | Local subnet | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Multicast Listener Rep... | Core Networking | All | Yes | Allow | No | System | Any | Local subnet | ICMPv6 | Any | Any | Any | Any |
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| Core Networking - Neighbor Discovery A... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Neighbor Discovery S... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Packet Too Big (ICMP... | Core Networking | All | Yes | Allow | No | Any | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Parameter Problem (I... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Router Advertisement... | Core Networking | All | Yes | Allow | No | System | Any | fe80::/64 | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Router Solicitation (IC... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |

### Actions

**Inbound Rules**
- New Rule...
- Filter by Profile
- Filter by State
- Filter by Group
- View
- Refresh
- Export List...
- Help

**Blokada_WWW**
- Disable Rule
- Cut
- Copy
- Delete
- Properties
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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blokada_WWW | | All | Yes | Block | No | Any | Any | Any | TCP | 80 | Any | Any | |
| AllJoyn Router (TCP-In) | AllJoyn Router | Domai... | Yes | Allow | No | %System... | Any | Any | TCP | 9955 | Any | Any | Any |
| AllJoyn Router (UDP-In) | AllJoyn Router | Domai... | Yes | Allow | No | %System... | Any | Any | UDP | Any | Any | Any | Any |
| BranchCache Content Retrieval (HTTP-In) | BranchCache - Content Retr... | All | No | Allow | No | SYSTEM | Any | Any | TCP | 80 | Any | Any | Any |
| BranchCache Hosted Cache Server (HTT... | BranchCache - Hosted Cach... | All | No | Allow | No | SYSTEM | Any | Any | TCP | 80, 443 | Any | Any | Any |
| BranchCache Peer Discovery (WSD-In) | BranchCache - Peer Discove... | All | No | Allow | No | %system... | Any | Local subnet | UDP | 3702 | Any | Any | Any |
| Cast to Device functionality (qWave-TCP... | Cast to Device functionality | Private... | Yes | Allow | No | %System... | Any | PlayTo Renderers | TCP | 2177 | Any | Any | Any |
| Cast to Device functionality (qWave-UDP... | Cast to Device functionality | Private... | Yes | Allow | No | %System... | Any | PlayTo Renderers | UDP | 2177 | Any | Any | Any |
| Cast to Device SSDP Discovery (UDP-In) | Cast to Device functionality | Public | Yes | Allow | No | %System... | Any | Any | UDP | PlayTo Dis... | Any | Any | Any |
| Cast to Device streaming server (HTTP-St... | Cast to Device functionality | Domain | Yes | Allow | No | System | Any | Any | TCP | 10246 | Any | Any | Any |
| Cast to Device streaming server (HTTP-St... | Cast to Device functionality | Private | Yes | Allow | No | System | Any | Local subnet | TCP | 10246 | Any | Any | Any |
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| Core Networking - Dynamic Host Config... | Core Networking | All | Yes | Allow | No | %System... | Any | Any | UDP | 546 | 547 | Any | Any |
| Core Networking - Internet Group Mana... | Core Networking | All | Yes | Allow | No | System | Any | Any | IGMP | Any | Any | Any | Any |
| Core Networking - IPHTTPS (TCP-In) | Core Networking | All | Yes | Allow | No | System | Any | Any | TCP | IPHTTPS | Any | Any | Any |
| Core Networking - IPv6 (IPv6-In) | Core Networking | All | Yes | Allow | No | System | Any | Any | IPv6 | Any | Any | Any | Any |
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| Core Networking - Multicast Listener Qu... | Core Networking | All | Yes | Allow | No | System | Any | Local subnet | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Multicast Listener Rep... | Core Networking | All | Yes | Allow | No | System | Any | Local subnet | ICMPv6 | Any | Any | Any | Any |
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| AllJoyn Router (TCP-In) | AllJoyn Router | Domai | Yes | Allow | No | %System | Any | Any | TCP | 9955 | Any | Any | Any |
| AllJoyn Router (UDP-In) | AllJoyn Router | D | | | | | | | | | | Any | Any |
| BranchCache Content Retrieval (HTTP-In) | BranchCache - Content Retr... | A | | | | | | | | | | Any | Any |
| BranchCache Hosted Cache Server (HTT... | BranchCache - Hosted Cach... | A | | | | | | | | | | Any | Any |
| BranchCache Peer Discovery (WSD-In) | BranchCache - Peer Discove... | A | | | | | | | | | | Any | Any |
| Cast to Device functionality (qWave-TCP... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device functionality (qWave-UDP... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device SSDP Discovery (UDP-In) | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (HTTP-St... | Cast to Device functionality | D | | | | | | | | | | Any | Any |
| Cast to Device streaming server (HTTP-St... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (HTTP-St... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTCP-St... | Cast to Device functionality | D | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTCP-St... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTCP-St... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTSP-Str... | Cast to Device functionality | D | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTSP-Str... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTSP-Str... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device UPnP Events (TCP-In) | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| COM+ Network Access (DCOM-In) | COM+ Network Access | A | | | | | | | | | | Any | Any |
| COM+ Remote Administration (DCOM-In) | COM+ Remote Administrati... | A | | | | | | | | | | Any | Any |
| Core Networking - Destination Unreacha... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Destination Unreacha... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Dynamic Host Config... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Dynamic Host Config... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Internet Group Mana... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - IPHTTPS (TCP-In) | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - IPv6 (IPv6-In) | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Multicast Listener Do... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Multicast Listener Qu... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Multicast Listener Rep... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Multicast Listener Rep... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Neighbor Discovery A... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Neighbor Discovery S... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Packet Too Big (ICMP... | Core Networking | All | Yes | Allow | No | Any | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Parameter Problem (I... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Router Advertisement... | Core Networking | All | Yes | Allow | No | System | Any | fe80::/64 | ICMPv6 | Any | Any | Any | Any |

### New Inbound Rule Wizard

**Rule Type**

Select the type of firewall rule to create.

Steps:
- Rule Type
- Protocol and Ports
- Action
- Profile
- Name

What type of rule would you like to create?

- ○ **Program**
  Rule that controls connections for a program.
- ◉ **Port**
  Rule that controls connections for a TCP or UDP port.
- ○ **Predefined:**
  AllJoyn Router
  Rule that controls connections for a Windows experience.
- ○ **Custom**
  Custom rule.

1.

2.

< Back | Next > | Cancel

### Actions

**Inbound Rules**
- New Rule...
- Filter by Profile
- Filter by State
- Filter by Group
- View
- Refresh
- Export List...
- Help

**Blokada_WWW**
- Disable Rule
- Cut
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| BranchCache Hosted Cache Server (HTT... | BranchCache - Hosted Cach... | A | | | | | | | | | | Any | Any |
| BranchCache Peer Discovery (WSD-In) | BranchCache - Peer Discove... | A | | | | | | | | | | Any | Any |
| Cast to Device functionality (qWave-TCP... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device functionality (qWave-UDP... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
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| Cast to Device streaming server (HTTP-St... | Cast to Device functionality | D | | | | | | | | | | Any | Any |
| Cast to Device streaming server (HTTP-St... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (HTTP-St... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTCP-St... | Cast to Device functionality | D | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTCP-St... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTCP-St... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTSP-Str... | Cast to Device functionality | D | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTSP-Str... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTSP-Str... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device UPnP Events (TCP-In) | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| COM+ Network Access (DCOM-In) | COM+ Network Access | A | | | | | | | | | | Any | Any |
| COM+ Remote Administration (DCOM-In) | COM+ Remote Administrati... | A | | | | | | | | | | Any | Any |
| Core Networking - Destination Unreacha... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Destination Unreacha... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Dynamic Host Config... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Dynamic Host Config... | Core Networking | A | | | | | | | | | | Any | Any |
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| Core Networking - IPv6 (IPv6-In) | Core Networking | A | | | | | | | | | | Any | Any |
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### New Inbound Rule Wizard

**Protocol and Ports**

Specify the protocols and ports to which this rule applies.

Steps:
- Rule Type
- Protocol and Ports
- Action
- Profile
- Name

Does this rule apply to TCP or UDP?

- (●) TCP
- ( ) UDP

Does this rule apply to all local ports or specific local ports?

- ( ) All local ports
- (●) Specific local ports: 80

Example: 80, 443, 5000-5010

< Back | Next > | Cancel

1.

2.

3.

### Actions

**Inbound Rules**
- New Rule...
- Filter by Profile
- Filter by State
- Filter by Group
- View
- Refresh
- Export List...
- Help

**Blokada_WWW**
- Disable Rule
- Cut
- Copy
- Delete
- Properties
- Help

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Windows Server 2016 (2) - VMware Workstation

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Windows Firewall with Advanced Security

File Action View Help

Windows Firewall with Advance
- Inbound Rules
- Outbound Rules
- Connection Security Rules
- Monitoring

## Inbound Rules

| Name | Group | Profile | Enabled | Action | Override | Program | Local Address | Remote Address | Protocol | Local Port | Remote Port | Authorized Users | Auth |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blokada_WWW | | All | Yes | Block | No | Any | Any | Any | TCP | 80 | Any | Any | Any |
| AllJoyn Router (TCP-In) | AllJoyn Router | Domai | Yes | Allow | No | %System | Any | Any | TCP | 9955 | Any | Any | Any |
| AllJoyn Router (UDP-In) | AllJoyn Router | D | | | | | | | | | | Any | Any |
| BranchCache Content Retrieval (HTTP-In) | BranchCache - Content Retr... | A | | | | | | | | | | Any | Any |
| BranchCache Hosted Cache Server (HTT... | BranchCache - Hosted Cach... | A | | | | | | | | | | Any | Any |
| BranchCache Peer Discovery (WSD-In) | BranchCache - Peer Discove... | A | | | | | | | | | | Any | Any |
| Cast to Device functionality (qWave-TCP... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device functionality (qWave-UDP... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device SSDP Discovery (UDP-In) | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (HTTP-St... | Cast to Device functionality | D | | | | | | | | | | Any | Any |
| Cast to Device streaming server (HTTP-St... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (HTTP-St... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTCP-St... | Cast to Device functionality | D | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTCP-St... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTCP-St... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTSP-Str... | Cast to Device functionality | D | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTSP-Str... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTSP-Str... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device UPnP Events (TCP-In) | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| COM+ Network Access (DCOM-In) | COM+ Network Access | A | | | | | | | | | | Any | Any |
| COM+ Remote Administration (DCOM-In) | COM+ Remote Administrati... | A | | | | | | | | | | Any | Any |
| Core Networking - Destination Unreacha... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Destination Unreacha... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Dynamic Host Config... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Dynamic Host Config... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Internet Group Mana... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - IPHTTPS (TCP-In) | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - IPv6 (IPv6-In) | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Multicast Listener Do... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Multicast Listener Qu... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Multicast Listener Rep... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Multicast Listener Rep... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Neighbor Discovery A... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Neighbor Discovery S... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Packet Too Big (ICMP... | Core Networking | All | Yes | Allow | No | Any | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Parameter Problem (I... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Router Advertisement... | Core Networking | All | Yes | Allow | No | System | Any | fe80::/64 | ICMPv6 | Any | Any | Any | Any |

### New Inbound Rule Wizard

**Action**

Specify the action to be taken when a connection matches the conditions specified in the rule.

Steps:
- Rule Type
- Protocol and Ports
- Action
- Profile
- Name

What action should be taken when a connection matches the specified conditions?

- ○ **Allow the connection**
  This includes connections that are protected with IPsec as well as those are not.
- ○ **Allow the connection if it is secure**
  This includes only connections that have been authenticated by using IPsec. Connections will be secured using the settings in IPsec properties and rules in the Connection Security Rule node.
  Customize...
- ◉ **Block the connection**

1.

2.

< Back | Next > | Cancel

## Actions

**Inbound Rules**
- New Rule...
- Filter by Profile
- Filter by State
- Filter by Group
- View
- Refresh
- Export List...
- Help

**Blokada_WWW**
- Disable Rule
- Cut
- Copy
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Windows Firewall with Advanced Security

File Action View Help

Windows Firewall with Advance
- Inbound Rules
- Outbound Rules
- Connection Security Rules
- Monitoring

## Inbound Rules

| Name | Group | Profile | Enabled | Action | Override | Program | Local Address | Remote Address | Protocol | Local Port | Remote Port | Authorized Users | Auth |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blokada_WWW | | All | Yes | Block | No | Any | Any | Any | TCP | 80 | Any | Any | Any |
| AllJoyn Router (TCP-In) | AllJoyn Router | Domai | Yes | Allow | No | %System | Any | Any | TCP | 9955 | Any | Any | Any |
| AllJoyn Router (UDP-In) | AllJoyn Router | D | | | | | | | | | | Any | Any |
| BranchCache Content Retrieval (HTTP-In) | BranchCache - Content Retr... | A | | | | | | | | | | Any | Any |
| BranchCache Hosted Cache Server (HTT... | BranchCache - Hosted Cach... | A | | | | | | | | | | Any | Any |
| BranchCache Peer Discovery (WSD-In) | BranchCache - Peer Discove... | A | | | | | | | | | | Any | Any |
| Cast to Device functionality (qWave-TCP... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device functionality (qWave-UDP... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device SSDP Discovery (UDP-In) | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (HTTP-St... | Cast to Device functionality | D | | | | | | | | | | Any | Any |
| Cast to Device streaming server (HTTP-St... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (HTTP-St... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTCP-St... | Cast to Device functionality | D | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTCP-St... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTCP-St... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTSP-Str... | Cast to Device functionality | D | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTSP-Str... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTSP-Str... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device UPnP Events (TCP-In) | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| COM+ Network Access (DCOM-In) | COM+ Network Access | A | | | | | | | | | | Any | Any |
| COM+ Remote Administration (DCOM-In) | COM+ Remote Administrati... | A | | | | | | | | | | Any | Any |
| Core Networking - Destination Unreacha... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Destination Unreacha... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Dynamic Host Config... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Dynamic Host Config... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Internet Group Mana... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - IPHTTPS (TCP-In) | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - IPv6 (IPv6-In) | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Multicast Listener Do... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Multicast Listener Qu... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Multicast Listener Rep... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Multicast Listener Rep... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Neighbor Discovery A... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Neighbor Discovery S... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Packet Too Big (ICMP... | Core Networking | All | Yes | Allow | No | Any | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Parameter Problem (I... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Router Advertisement... | Core Networking | All | Yes | Allow | No | System | Any | fe80::/64 | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Router Solicitation (IC... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |

### New Inbound Rule Wizard

**Profile**

Specify the profiles for which this rule applies.

Steps:
- Rule Type
- Protocol and Ports
- Action
- Profile
- Name

When does this rule apply?

- [x] **Domain**
  Applies when a computer is connected to its corporate domain.
- [x] **Private**
  Applies when a computer is connected to a private network location, such as a home or work place.
- [x] **Public**
  Applies when a computer is connected to a public network location.

< Back | Next > | Cancel

### Actions

**Inbound Rules**
- New Rule...
- Filter by Profile
- Filter by State
- Filter by Group
- View
- Refresh
- Export List...
- Help

**Blokada_WWW**
- Disable Rule
- Cut
- Copy
- Delete
- Properties
- Help

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Windows Server 2016 (2) - VMware Workstation

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Windows Firewall with Advanced Security

File Action View Help

Windows Firewall with Advance
- Inbound Rules
- Outbound Rules
- Connection Security Rules
- Monitoring

## Inbound Rules

| Name | Group | Profile | Enabled | Action | Override | Program | Local Address | Remote Address | Protocol | Local Port | Remote Port | Authorized Users | Auth |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blokada_WWW | | All | Yes | Block | No | Any | Any | Any | TCP | 80 | Any | Any | Any |
| AllJoyn Router (TCP-In) | AllJoyn Router | Domai | Yes | Allow | No | %System | Any | Any | TCP | 9955 | Any | Any | Any |
| AllJoyn Router (UDP-In) | AllJoyn Router | D | | | | | | | | | | Any | Any |
| BranchCache Content Retrieval (HTTP-In) | BranchCache - Content Retr... | A | | | | | | | | | | Any | Any |
| BranchCache Hosted Cache Server (HTT... | BranchCache - Hosted Cach... | A | | | | | | | | | | Any | Any |
| BranchCache Peer Discovery (WSD-In) | BranchCache - Peer Discove... | A | | | | | | | | | | Any | Any |
| Cast to Device functionality (qWave-TCP... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device functionality (qWave-UDP... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device SSDP Discovery (UDP-In) | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (HTTP-St... | Cast to Device functionality | D | | | | | | | | | | Any | Any |
| Cast to Device streaming server (HTTP-St... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (HTTP-St... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTCP-St... | Cast to Device functionality | D | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTCP-St... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTCP-St... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTSP-Str... | Cast to Device functionality | D | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTSP-Str... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device streaming server (RTSP-Str... | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| Cast to Device UPnP Events (TCP-In) | Cast to Device functionality | P | | | | | | | | | | Any | Any |
| COM+ Network Access (DCOM-In) | COM+ Network Access | A | | | | | | | | | | Any | Any |
| COM+ Remote Administration (DCOM-In) | COM+ Remote Administrati... | A | | | | | | | | | | Any | Any |
| Core Networking - Destination Unreacha... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Destination Unreacha... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Dynamic Host Config... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Dynamic Host Config... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Internet Group Mana... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - IPHTTPS (TCP-In) | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - IPv6 (IPv6-In) | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Multicast Listener Do... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Multicast Listener Qu... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Multicast Listener Rep... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Multicast Listener Rep... | Core Networking | A | | | | | | | | | | Any | Any |
| Core Networking - Neighbor Discovery A... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Neighbor Discovery S... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Packet Too Big (ICMP... | Core Networking | All | Yes | Allow | No | Any | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Parameter Problem (I... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Router Advertisement... | Core Networking | All | Yes | Allow | No | System | Any | fe80::/64 | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Router Solicitation (IC... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |

### New Inbound Rule Wizard

**Name**

Specify the name and description of this rule.

Steps:
- Rule Type
- Protocol and Ports
- Action
- Profile
- Name

Name: BLOKADA_WWW

Description (optional):

1.

2.

< Back | Finish | Cancel

## Actions

**Inbound Rules**
- New Rule...
- Filter by Profile
- Filter by State
- Filter by Group
- View
- Refresh
- Export List...
- Help

**Blokada_WWW**
- Disable Rule
- Cut
- Copy
- Delete
- Properties
- Help

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Windows Server 2016 (2) - VMware Workstation

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Windows Firewall with Advanced Security

File Action View Help

- Windows Firewall with Advance
  - Inbound Rules
  - Outbound Rules
  - Connection Security Rules
  - Monitoring

## Inbound Rules

| Name | Group | Profile | Enabled | Action | Override | Program | Local Address | Remote Address | Protocol | Local Port | Remote Port | Authorized Users | Auth |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| COM+ Remote Administration (DCOM-In) | COM+ Remote Administrati... | All | No | Allow | No | %system... | Any | Any | TCP | RPC Dyna... | Any | Any | Any |
| Core Networking - Destination Unreacha... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Destination Unreacha... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv4 | Any | Any | Any | Any |
| Core Networking - Dynamic Host Config... | Core Networking | All | Yes | Allow | No | %System... | Any | Any | UDP | 68 | 67 | Any | Any |
| Core Networking - Dynamic Host Config... | Core Networking | All | Yes | Allow | No | %System... | Any | Any | UDP | 546 | 547 | Any | Any |
| Core Networking - Internet Group Mana... | Core Networking | All | Yes | Allow | No | System | Any | Any | IGMP | Any | Any | Any | Any |
| Core Networking - IPHTTPS (TCP-In) | Core Networking | All | Yes | Allow | No | System | Any | Any | TCP | IPHTTPS | Any | Any | Any |
| Core Networking - IPv6 (IPv6-In) | Core Networking | All | Yes | Allow | No | System | Any | Any | IPv6 | Any | Any | Any | Any |
| Core Networking - Multicast Listener Do... | Core Networking | All | Yes | Allow | No | System | Any | Local subnet | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Multicast Listener Qu... | Core Networking | All | Yes | Allow | No | System | Any | Local subnet | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Multicast Listener Rep... | Core Networking | All | Yes | Allow | No | System | Any | Local subnet | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Multicast Listener Rep... | Core Networking | All | Yes | Allow | No | System | Any | Local subnet | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Neighbor Discovery A... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Neighbor Discovery S... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Packet Too Big (ICMP... | Core Networking | All | Yes | Allow | No | Any | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Parameter Problem (I... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Router Advertisement... | Core Networking | All | Yes | Allow | No | System | Any | fe80::/64 | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Router Solicitation (IC... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Teredo (UDP-In) | Core Networking | All | Yes | Allow | No | %System... | Any | Any | UDP | Edge Trave... | Any | Any | Any |
| Core Networking - Time Exceeded (ICMP... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Cortana | Cortana | All | Yes | Allow | No | Any | Any | Any | Any | Any | Any | Any | Any |
| DIAL protocol server (HTTP-In) | DIAL protocol server | Private | Yes | Allow | No | System | Any | Local subnet | TCP | 10247 | Any | Any | Any |
| DIAL protocol server (HTTP-In) | DIAL protocol server | Domain | Yes | Allow | No | System | Any | Any | TCP | 10247 | Any | Any | Any |
| Distributed Transaction Coordinator (RPC) | Distributed Transaction Coo... | All | No | Allow | No | %System... | Any | Any | TCP | RPC Dyna... | Any | Any | Any |
| Distributed Transaction Coordinator (RP... | Distributed Transaction Coo... | All | No | Allow | No | %System... | Any | Any | TCP | RPC Endp... | Any | Any | Any |
| Distributed Transaction Coordinator (TCP... | Distributed Transaction Coo... | All | No | Allow | No | %System... | Any | Any | TCP | Any | Any | Any | Any |
| File and Printer Sharing (Echo Request - I... | File and Printer Sharing | All | No | Allow | No | Any | Any | Any | ICMPv4 | Any | Any | Any | Any |
| File and Printer Sharing (Echo Request - I... | File and Printer Sharing | All | No | Allow | No | Any | Any | Any | ICMPv6 | Any | Any | Any | Any |
| File and Printer Sharing (LLMNR-UDP-In) | File and Printer Sharing | All | No | Allow | No | %System... | Any | Local subnet | UDP | 5355 | Any | Any | Any |
| File and Printer Sharing (NB-Datagram-In) | File and Printer Sharing | All | No | Allow | No | System | Any | Any | UDP | 138 | Any | Any | Any |
| File and Printer Sharing (NB-Name-In) | File and Printer Sharing | All | No | Allow | No | System | Any | Any | UDP | 137 | Any | Any | Any |
| File and Printer Sharing (NB-Session-In) | File and Printer Sharing | All | No | Allow | No | System | Any | Any | TCP | 139 | Any | Any | Any |
| File and Printer Sharing (SMB-In) | File and Printer Sharing | All | No | Allow | No | System | Any | Any | TCP | 445 | Any | Any | Any |
| File and Printer Sharing (Spooler Service -... | File and Printer Sharing | All | No | Allow | No | %System... | Any | Any | TCP | RPC Dyna... | Any | Any | Any |
| File and Printer Sharing (Spooler Service -... | File and Printer Sharing | All | No | Allow | No | Any | Any | Any | TCP | RPC Endp... | Any | Any | Any |
| File and Printer Sharing over SMBDirect (i... | File and Printer Sharing over... | All | No | Allow | No | System | Any | Any | TCP | 5445 | Any | Any | Any |
| iSCSI Service (TCP-In) | iSCSI Service | All | No | Allow | No | %System... | Any | Any | TCP | Any | Any | Any | Any |
| Key Management Service (TCP-In) | Key Management Service | All | No | Allow | No | %System... | Any | Any | TCP | 1688 | Any | Any | Any |

RIGHT CLICK

## Actions

**Inbound Rules**

- New Rule...
- Filter by Profile
- Filter by State
- Filter by Group
- View
- Refresh
- Export List...
- Help

**File and Printer Sharing (Echo Request - ICMPv4-In)**

- Enable Rule
- Cut
- Copy
- Delete
- Properties
- Help

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Windows Firewall with Advanced Security

File Action View Help

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## Inbound Rules

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| Core Networking - Destination Unreacha... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Destination Unreacha... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv4 | Any | Any | Any | Any |
| Core Networking - Dynamic Host Config... | Core Networking | All | Yes | Allow | No | %System... | Any | Any | UDP | 68 | 67 | Any | Any |
| Core Networking - Dynamic Host Config... | Core Networking | All | Yes | Allow | No | %System... | Any | Any | UDP | 546 | 547 | Any | Any |
| Core Networking - Internet Group Mana... | Core Networking | All | Yes | Allow | No | System | Any | Any | IGMP | Any | Any | Any | Any |
| Core Networking - IPHTTPS (TCP-In) | Core Networking | All | Yes | Allow | No | System | Any | Any | TCP | IPHTTPS | Any | Any | Any |
| Core Networking - IPv6 (IPv6-In) | Core Networking | All | Yes | Allow | No | System | Any | Any | IPv6 | Any | Any | Any | Any |
| Core Networking - Multicast Listener Do... | Core Networking | All | Yes | Allow | No | System | Any | Local subnet | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Multicast Listener Qu... | Core Networking | All | Yes | Allow | No | System | Any | Local subnet | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Multicast Listener Rep... | Core Networking | All | Yes | Allow | No | System | Any | Local subnet | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Multicast Listener Rep... | Core Networking | All | Yes | Allow | No | System | Any | Local subnet | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Neighbor Discovery A... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Neighbor Discovery S... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Packet Too Big (ICMP... | Core Networking | All | Yes | Allow | No | Any | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Parameter Problem (I... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Router Advertisement... | Core Networking | All | Yes | Allow | No | System | Any | fe80::/64 | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Router Solicitation (IC... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Core Networking - Teredo (UDP-In) | Core Networking | All | Yes | Allow | No | %System... | Any | Any | UDP | Edge Trave... | Any | Any | Any |
| Core Networking - Time Exceeded (ICMP... | Core Networking | All | Yes | Allow | No | System | Any | Any | ICMPv6 | Any | Any | Any | Any |
| Cortana | Cortana | All | Yes | Allow | No | Any | Any | Any | Any | Any | Any | Any | Any |
| DIAL protocol server (HTTP-In) | DIAL protocol server | Private | Yes | Allow | No | System | Any | Local subnet | TCP | 10247 | Any | Any | Any |
| DIAL protocol server (HTTP-In) | DIAL protocol server | Domain | Yes | Allow | No | System | Any | Any | TCP | 10247 | Any | Any | Any |
| Distributed Transaction Coordinator (RPC) | Distributed Transaction Coo... | All | No | Allow | No | %System... | Any | Any | TCP | RPC Dyna... | Any | Any | Any |
| Distributed Transaction Coordinator (RP... | Distributed Transaction Coo... | All | No | Allow | No | %System... | Any | Any | TCP | RPC Endp... | Any | Any | Any |
| Distributed Transaction Coordinator (TCP... | Distributed Transaction Coo... | All | No | Allow | No | %System... | Any | Any | TCP | Any | Any | Any | Any |
| File and Printer Sharing (Echo Request - I | File and Printer Sharing | All | No | Allow | No | Any | Any | Any | ICMPv4 | Any | Any | Any | Any |
| File and Printer Sharing (E | inter Sharing | All | No | Allow | No | Any | Any | Any | ICMPv6 | Any | Any | Any | Any |
| File and Printer Sharing (LI | inter Sharing | All | No | Allow | No | %System... | Any | Local subnet | UDP | 5355 | Any | Any | Any |
| File and Printer Sharing (N | inter Sharing | All | No | Allow | No | System | Any | Any | UDP | 138 | Any | Any | Any |
| File and Printer Sharing (N | inter Sharing | All | No | Allow | No | System | Any | Any | UDP | 137 | Any | Any | Any |
| File and Printer Sharing (N | inter Sharing | All | No | Allow | No | System | Any | Any | TCP | 139 | Any | Any | Any |
| File and Printer Sharing (SI | inter Sharing | All | No | Allow | No | System | Any | Any | TCP | 445 | Any | Any | Any |
| File and Printer Sharing (S | inter Sharing | All | No | Allow | No | %System... | Any | Any | TCP | RPC Dyna... | Any | Any | Any |
| File and Printer Sharing (S | inter Sharing | All | No | Allow | No | Any | Any | Any | TCP | RPC Endp... | Any | Any | Any |
| File and Printer Sharing over SMBDirect (i... | File and Printer Sharing over... | All | No | Allow | No | System | Any | Any | TCP | 5445 | Any | Any | Any |
| iSCSI Service (TCP-In) | iSCSI Service | All | No | Allow | No | %System... | Any | Any | TCP | Any | Any | Any | Any |
| Key Management Service (TCP-In) | Key Management Service | All | No | Allow | No | %System... | Any | Any | TCP | 1688 | Any | Any | Any |

Enable Rule
Cut
Copy
Delete
Properties
Help

## Actions

**Inbound Rules**
- New Rule...
- Filter by Profile
- Filter by State
- Filter by Group
- View
- Refresh
- Export List...
- Help

**File and Printer Sharing (Echo Request - ICMPv4-In)**
- Enable Rule
- Cut
- Copy
- Delete
- Properties
- Help

Cuts the current selection.

2:37 PM 6/14/2026

To direct input to this VM, move the mouse pointer inside or press Ctrl+G.

РУС 23:37 14/06/2026

# ODBLOKOWANIE PORTU

Robi się dokładnie tak samo jak blokowanie. Przechodzisz przez ten sam kreator, wybierasz ten sam protokół (np. TCP) i wpisujesz ten sam numer portu. Jedyna różnica polega na tym, że na samym końcu zamiast opcji Zablokuj połączenie (Block), klikasz Zezwól na połączenie (Allow). Cała reszta jest identyczna!

franz bonaparta