Canton Township Board
1150 S Canton Center Road
Canton, MI 48188-1699

September 14, 2022

SUBJECT: Canton Township Clerk Mike Siegrist Election Integrity Issues

Dear Members of the Canton Township Board,

During your August 31, 2022 board meeting, one of the topics discussed was my appeal for public records in support of my investigation into the integrity of the 2020 election. For your reference, I had appealed for copies of the .ldf and .mdf database files installed on the Township's computers. The appeal was denied in part by the board on the basis of assertions made by Clerk Siegrist which included the assertion that "if that data were to fall into the hands of an election denier like Colbeck, actual harm could be done". I was not notified that my appeal was to be addressed at the August 31 meeting else I would have been in attendance to rebut any arguments in opposition to the appeal. In this letter, I would like to provide the information that Clerk Siegrist neglected to provide to the board for consideration as well as set the record straight regarding some of the assertions that Clerk Siegrist has made according to media reports on the matter.

Let's start with the assertion by Clerk Siegrist that my request for the database files was part of a reconnaissance effort to subvert future elections. Not only is this assertion defamatory in nature, it also flies in opposition to the facts as supported by communications between myself and former Canton Township employee Anthony Essmaker which have been attached for your reference.

Please note that my request for the Canton Election Management System database files was a result of discussions with Mr. Essmaker pertaining to my earlier request for timestamp data for Cast Vote Records (CVR). Timestamp data is essential when analyzing tabulator logs as it enables an analysis of ballots tabulated in a given time period against the official scanning capacity of those tabulators. We have seen evidence across the country including Michigan that ballot tallies have been reported at rates that exceed the capacity of tabulators in a given jurisdiction. This anomaly indicates direct manipulation of the election results database not a counting of the ballots. Mr. Essmaker had stated that the timestamp data was not available in the standard reports provided by Dominion. I stated that he could create a custom report that would include that information because that data was captured in the election results database. He subsequently invited me into the Canton Township Clerk's office to review the reporting options available to me. I met with him on April 20, 2022 at which time I verified the presence of the data tables which would provide the requested timestamp data. Subsequently, I issued a FOIA request for the .ldf and .mdf files so that I could create a custom CVR report featuring timestamp data. Clearly, my request was and is simply an attempt to obtain data that would enable me to analyze the integrity of the Canton election results.

Now, let's look at the assertions make by our clerk according to media reports. The story promoted WDIV reporter Grant Hermes is typical of these media reports. In his story, he indicated that Clerk Siegrist built upon his assertion that I was seeking a blueprint to hack the next election to say.

> "This would be like the largest chink of the armor just removed from the security of the system if this were to go out," said Siegrist.

In the same story, Siegrist issued an open invite to inspect the ballots in an apparent attempt to persuade viewers that an inspection of the ballots would somehow validate the security of the Canton election.

> "An open records request can be made to come in and visually inspect the ballots," Siegrist said.

So, on one hand, Siegrist asserts that the electronic records equate to the largest chink in the armor of our election security

On the other hand, Siegrist wants you to believe that a hand recount of the ballots is all that is necessary to determine election security.

Which is it? Are electronic records important to election security or not?

As a certified Microsoft Small Business Specialist and former Vice Chair of the Michigan Senate Elections and Government Reform Committee, I would agree with Siegrist's initial assertion that electronic records are indeed the largest chink of the armor in the security of our elections. This being the case, it is obvious that Clerk Siegrist's offer to hand count paper ballots is simply a frivolous attempt to divert people concerned with the integrity of our elections such as myself from the importance of these electronic records. It is important to ask yourselves why he would do that. I believe that the following observations give objective observers some indication as to why he would do that.

The log files that were submitted by Canton in response to my FOIA request indicate that these electronic records are indeed important. Included among these files applicable to Canton's Dominion Election Management Server are a list of software programs installed and the configuration of the server firewall.

Included among the list of software programs were SQL Server Management Studio and Visual Studio. Both of these software programs enable the manipulation of election results without detection. In fact, the Canton EMS software configuration resembles a Software Development environment not a configuration suitable for the field deployment of an election management system.

In addition to the non-certified software found installed, an examination of the firewall settings that would protect the election management server from malicious actors on the internet revealed that every access port was open including the port for remote desktop control of the machine. These settings not only compromised the integrity of Canton's elections but any system that Canton's Election Management System was connected to such as Wayne County's Election Management System. Corruption of Wayne County's Election Management System would also put the State of Michigan Election Management System at risk. As Siegrist asserted earlier with his "chink in the armor" observation, our election integrity is only as strong as our weakest link. The configuration of the Canton Township Election Management Server certainly appears to be a very weak link.

To the discerning observer, it would appear that Clerk Siegrist is attempting to divert our attention away from such glaring security risks. In fact, his media narratives and comments to this board appear to be part of a cover-up. Exactly what he is attempting to cover-up, remains to be seen. He could be covering up his gross negligence by ceding control of our elections to a private business not subject to public oversight. He could be covering up his utter lack of knowledge of how a modern electronic voting system operates and needs to be secured. Or, he is complicit in the subversion of the integrity of our elections. Any one of these options demands that corrective actions be taken by the Canton Township Board.

Clerk Siegrist, in his attempts to cover-up these and other glaring security vulnerabilities casts a dark shadow on the integrity of elections in Canton. What is truly concerning is his desire to extend this shadow to the 300 poll workers in comments such as the following:

> "Look at them with the totals unless you want to accuse 300 Canton residents, Democrats, Republicans, Libertarians, Green Party members, U.S. Taxpayer party members of all colluding with each other in one massive conspiracy, but I think canton residents are a little too smart for that."

No, any malfeasance resulting from his lack of election security rest squarely on his shoulders and his alone.

What makes matters worse is that all indications are that these concerns are still valid today. No corrective action for these glaring election security risks has yet been taken. That means our upcoming 2022 election is just as vulnerable to malicious acts as our 2020 election was.

The current state of election security in Canton under Clerk Siegrist is harmful to our community. It is harmful to our county. It is harmful to our state. Ultimately, it is harmful to our entire constitutional republic. If you choose not to take

corrective action soon, you not only put the integrity of the upcoming 2022 election at risk of subversion, you also put the reputation of our poll workers, election staff and our community at risk.

Thank you in advance for your prompt attention to this matter.

Regards,

Patrick J. Colbeck
Former MI State Senator, 7th District
Canton, MI

Attachments:

- The following attachments are copies materials received as a result of my FOIA Requests with Canton Township:
    - CVR records request communications
    - Firewall Profile
    - Installed Software Log

Request 22-406 Closed

Dates

Received

April 9, 2022 via web

Requester

Patrick Colbeck

patrick@migrassrootsalliance.org

47841 Royal Pointe Drive, Canton, MI, 48187

734-453-3105

Staff Assigned

Departments

Clerk

Point of contact

Anthony Essmaker

Request

Please provide in a spreadsheet compatible format the Cast Vote Record (CVR) for Canton Township for the 2020 General Election.

These records should include the following fields as a minimum:

- CVR Record #
- Timestamp
- Tabulator ID
- Municipality
- Precinct
- BatchID
- RecordID
- Counting Group
- Session Type
- BallotTypeID
- PaperIndex
- Contest
- Candidate
- Undervotes
- Overvotes
- Mark Density

Timeline | Documents

External Message Requester + Staff

Thank you for meeting with us, and it was a nice surprise to meet Senator Patterson.

External Message

Requester + Staff

Mr. Colbeck:

For the specific report you have requested, there is only an export option with limited features. Selecting or incorporating the timestamp on this specific report does not appear. I would invite you to stop in and I can show you the running of the report.

Alternatively, Wayne County maintains the central database for the project and may have more info.

Again, as I stated, these reports are for demonstration purposes only, as they were not officially used in Canton Township on Election Day and do not include the adjudicated results. We had to reupload all results to provide the demonstration.

April 18, 2022, 3:51pm by Anthony Essmaker, FOIA Coordinator/Deputy Clerk (Staff)

External Message

Requester + Staff

I understand that the timestamp may not be available in the standard CVR report, but this field does exist in every database which I have worked with in my decades of IT work. Are you telling me officially that the EMS software used to generate the report does not allow you to select the fields printed in a report?

April 18, 2022, 3:42pm by the requester

External Message

Requester + Staff

Mr. Colbeck:

As noted in the response, "timestamp" is not an option in the CVR report data. This record does not exist.

April 18, 2022, 3:29pm by Anthony Essmaker, FOIA Coordinator/Deputy Clerk (Staff)

External Message

Requester + Staff

Thank you for the CVR data, however, the requested timestamp field was missing. Please update the documents to include this information.

April 18, 2022, 12:57pm by the requester

External Message Requester + Staff

Thank you for taking time to meet with me and Senator Patterson today. It appears that all of the information which I have requested is classified as "unofficial". How do you recommend that I obtain "official" copies of records such as the CVR with timestamps?

April 20, 2022, 6:32pm by the requester

External Message Requester + Staff

Never mind...I'll see you tomorrow at 2pm. Thank you!

April 19, 2022, 4:36pm by the requester

External Message Requester + Staff

On second thought...are you open at all Thursday or Friday?

April 19, 2022, 12:53pm by the requester

External Message Requester + Staff

That should work. I have a hard stop at 3pm though. Thank you! See you tomorrow.

April 19, 2022, 12:24pm by the requester

External Message Requester + Staff

I am available Wednesday at 2:00 p.m. if you would be interested in stopping in and seeing a demo.

April 19, 2022, 11:11am by Anthony Essmaker, FOIA Coordinator/Deputy Clerk (Staff)

External Message Requester + Staff

Hi Anthony,

Thank you. Yes. I would be interested in seeing how the report is generated. What day this week would you be available? What time works best for you?

I've been reviewing the 3 CVR files presented. I file is blank except for headers. The other two have CVR content, but seem to have different subsets of that content. For starters, 1 has 39 precincts while the other has 40. There are 40 precincts in the statement of votes. Please explain the differences between the 2 spreadsheets with content?

Thank you for your assistance!

Patrick

April 18, 2022, 4:56pm by the requester

External Message

Requester + Staff

Thank you for meeting with us, and it was a nice surprise to meet Senator Patterson.

As far as official/verse unofficial - the official response to this FOIA states that this request has been "denied- record does not exist". When we run the CVR report, it is blank (as attached). We ran some examples of CVR reports as requested just for demonstration's sake. It does not include timestamps and should not be used as a reference. It was just a courtesy.

Wayne County maintains official canvassed results. Our official results are the statement of votes/list of voters (how many people voted) compared to results tapes (how many ballots each tabulator counted) which should match, with a few well-documented exceptions. This is the primary function of our Receiving Boards and the Board of Canvassers, and the State Board of Canvassers. Our version of the statement of votes is posted online, and the lists of voters are being provided in another FOIA request.

If you are looking for another, existing document, please submit another FOIA. But please keep in mind, that FOIA does not allow for the creation of new documents.

If you are looking for in-depth server structure documentation, you would need to reach out to the State of Michigan & Wayne County to verify what items would be accessible and what would be considered a "cybersecurity risk" to release to the general public. The Federal government considers voting systems as "critical infrastructure".

The only function of Canton FOIA is to provide existing documents as requested.

Please let me know, or submit a new request, if we can help further. This request has been marked closed. You also have the right to appeal as stated in the official response.

April 21, 2022, 8:38am by Anthony Essmaker, FOIA Coordinator/Deputy Clerk (Staff)

FirewallProfile - Notepad

File Edit Format View Help

Display Name	Direction	Action	Owner	Policy Type	Description
3D Builder	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local	3D Builder
3D Builder	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local	3D Builder
AllJoyn Router (TCP-In)	Inbound	Allow		Local	Inbound rule for AllJoyn Router traffic [TCP]
AllJoyn Router (TCP-Out)	Outbound	Allow		Local	Outbound rule for AllJoyn Router traffic [TCP]
AllJoyn Router (UDP-In)	Inbound	Allow		Local	Inbound rule for AllJoyn Router traffic [UDP]
AllJoyn Router (UDP-In)	Inbound	Allow		Local	Inbound rule for AllJoyn Router traffic [UDP]
AllJoyn Router (UDP-Out)	Outbound	Allow		Local	Outbound rule for AllJoyn Router traffic [UDP]
AllJoyn Router (UDP-Out)	Outbound	Allow		Local	Outbound rule for AllJoyn Router traffic [UDP]
BranchCache Content Retrieval (HTTP-In)	Inbound	Allow		Local	Inbound rule for BranchCache to allow data transfer using...
BranchCache Content Retrieval (HTTP-Out)	Outbound	Allow		Local	Outbound rule for BranchCache to allow data transfer usin...
BranchCache Hosted Cache Client (HTTP-Out)	Outbound	Allow		Local	Outbound rule for BranchCache to allow connection to a ho...
BranchCache Hosted Cache Server (HTTP-In)	Inbound	Allow		Local	Inbound rule for BranchCache to allow communication betwe...
BranchCache Hosted Cache Server(HTTP-Out)	Outbound	Allow		Local	Outbound rule for BranchCache to allow communication betw...
BranchCache Peer Discovery (WSD-In)	Inbound	Allow		Local	Inbound rule for BranchCache to allow peer discovery [UDP...
BranchCache Peer Discovery (WSD-Out)	Outbound	Allow		Local	Outbound rule for BranchCache to allow peer discovery [UD...
Cartridge Manager port 852	Inbound	Allow		Local	Cartridge manager port
Cast to Device functionality (qWave-TCP-In)	Inbound	Allow		Local	Inbound rule for the Cast to Device functionality to allo...
Cast to Device functionality (qWave-TCP-Out)	Outbound	Allow		Local	Outbound rule for the Cast to Device functionality to all...
Cast to Device functionality (qWave-UDP-In)	Inbound	Allow		Local	Inbound rule for the Cast to Device functionality to allo...
Cast to Device functionality (qWave-UDP-Out)	Outbound	Allow		Local	Outbound rule for the Cast to Device functionality to all...
Cast to Device SSDP Discovery (UDP-In)	Inbound	Allow		Local	Inbound rule to allow discovery of Cast to Device targets...
Cast to Device streaming server (HTTP-Streaming-In)	Inbound	Allow		Local	Inbound rule for the Cast to Device server to allow strea...
Cast to Device streaming server (HTTP-Streaming-In)	Inbound	Allow		Local	Inbound rule for the Cast to Device server to allow strea...
Cast to Device streaming server (HTTP-Streaming-In)	Inbound	Allow		Local	Inbound rule for the Cast to Device server to allow strea...
Cast to Device streaming server (RTCP-Streaming-In)	Inbound	Allow		Local	Inbound rule for the Cast to Device server to allow strea...
Cast to Device streaming server (RTCP-Streaming-In)	Inbound	Allow		Local	Inbound rule for the Cast to Device server to allow strea...
Cast to Device streaming server (RTCP-Streaming-In)	Inbound	Allow		Local	Inbound rule for the Cast to Device server to allow strea...
Cast to Device streaming server (RTP-Streaming-Out)	Outbound	Allow		Local	Outbound rule for the Cast to Device server to allow stre...
Cast to Device streaming server (RTP-Streaming-Out)	Outbound	Allow		Local	Outbound rule for the Cast to Device server to allow stre...
Cast to Device streaming server (RTP-Streaming-Out)	Outbound	Allow		Local	Outbound rule for the Cast to Device server to allow stre...
Cast to Device streaming server (RTSP-Streaming-In)	Inbound	Allow		Local	Inbound rule for the Cast to Device server to allow strea...
Cast to Device streaming server (RTSP-Streaming-In)	Inbound	Allow		Local	Inbound rule for the Cast to Device server to allow strea...
Cast to Device streaming server (RTSP-Streaming-In)	Inbound	Allow		Local	Inbound rule for the Cast to Device server to allow strea...
Cast to Device UPnP Events (TCP-In)	Inbound	Allow		Local	Inbound rule to allow receiving UPnP Events from Cast to ...
Connect	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local	Connect
Connect	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local	Connect
Connect	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local	Connect
Connect	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local	Connect
Connect	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local	Connect
Connect	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local	Connect
Connect	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local	Connect
Connect	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local	Connect
Connected User Experiences and Telemetry	Outbound	Allow		Local	Unified Telemetry Client Outbound Traffic
Contact Support	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local	Contact Support
Contact Support	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local	Contact Support
Contact Support	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local	Contact Support
Contact Support	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local	Contact Support
Core Networking - Destination Unreachable (ICMPv6-In)	Inbound	Allow		Local	Local Destination Unreachable error messages are sent from any ...
Core Networking - Destination Unreachable Fragmentation Needed (ICM...	Inbound	Allow		Local	Local Destination Unreachable Fragmentation Needed error messag...
Core Networking - DNS (UDP-Out)	Outbound	Allow		Local	Local Outbound rule to allow DNS requests. DNS responses based ...
Core Networking - Dynamic Host Configuration Protocol (DHCP-In)	Inbound	Allow		Local	Local Allows DHCP (Dynamic Host Configuration Protocol) message...
Core Networking - Dynamic Host Configuration Protocol (DHCP-Out)	Outbound	Allow		Local	Local Allows DHCP (Dynamic Host Configuration Protocol) message...
Core Networking - Dynamic Host Configuration Protocol for IPv6(DHCP...	Inbound	Allow		Local	Local Allows DHCPV6 (Dynamic Host Configuration Protocol for IP...
Core Networking - Dynamic Host Configuration Protocol for IPv6(DHCP...	Outbound	Allow		Local	Local Allows DHCPV6 (Dynamic Host Configuration Protocol for IP...
Core Networking - Group Policy (LSASS-Out)	Outbound	Allow		Local	Local Outbound rule to allow remote LSASS traffic for Group Pol...
Core Networking - Group Policy (NP-Out)	Outbound	Allow		Local	Local Core Networking - Group Policy (NP-Out)
Core Networking - Group Policy (TCP-Out)	Outbound	Allow		Local	Local Outbound rule to allow remote RPC traffic for Group Polic...
Core Networking - Internet Group Management Protocol (IGMP-In)	Inbound	Allow		Local	Local IGMP messages are sent and received by nodes to create, j...
Core Networking - Internet Group Management Protocol (IGMP-Out)	Outbound	Allow		Local	Local IGMP messages are sent and received by nodes to create, j...
Core Networking - IPHTTPS (TCP-In)	Inbound	Allow		Local	Local Inbound TCP rule to allow IPHTTPS tunneling technology to...
Core Networking - IPHTTPS (TCP-Out)	Outbound	Allow		Local	Local Outbound TCP rule to allow IPHTTPS tunneling technology t...
Core Networking - IPv6 (IPv6-In)	Inbound	Allow		Local	Local Inbound rule required to permit IPv6 traffic for ISATAP (...
Core Networking - IPv6 (IPv6-Out)	Outbound	Allow		Local	Local Outbound rule required to permit IPv6 traffic for ISATAP ...
Core Networking - Multicast Listener Done (ICMPv6-In)	Inbound	Allow		Local	Local Multicast Listener Done messages inform local routers tha...
Core Networking - Multicast Listener Done (ICMPv6-Out)	Outbound	Allow		Local	Local Multicast Listener Done messages inform local routers tha...
Core Networking - Multicast Listener Query (ICMPv6-In)	Inbound	Allow		Local	Local An IPv6 multicast-capable router uses the Multicast Liste...
Core Networking - Multicast Listener Query (ICMPv6-Out)	Outbound	Allow		Local	Local An IPv6 multicast-capable router uses the Multicast Liste...
Core Networking - Multicast Listener Report (ICMPv6-In)	Inbound	Allow		Local	Local The Multicast Listener Report message is used by a listen...
Core Networking - Multicast Listener Report (ICMPv6-Out)	Outbound	Allow		Local	Local The Multicast Listener Report message is used by a listen...
Core Networking - Multicast Listener Report v2 (ICMPv6-In)	Inbound	Allow		Local	Local Multicast Listener Report v2 message is used by a listeni...
Core Networking - Multicast Listener Report v2 (ICMPv6-Out)	Outbound	Allow		Local	Local Multicast Listener Report v2 message is used by a listeni...
Core Networking - Neighbor Discovery Advertisement (ICMPv6-In)	Inbound	Allow		Local	Local Neighbor Discovery Advertisement messages are sent by nod...
Core Networking - Neighbor Discovery Advertisement (ICMPv6-Out)	Outbound	Allow		Local	Local Neighbor Discovery Advertisement messages are sent by nod...
Core Networking - Neighbor Discovery Solicitation (ICMPv6-In)	Inbound	Allow		Local	Local Neighbor Discovery Solicitations are sent by nodes to dis...
Core Networking - Neighbor Discovery Solicitation (ICMPv6-Out)	Outbound	Allow		Local	Local Neighbor Discovery Solicitations are sent by nodes to dis...
Core Networking - Packet Too Big (ICMPv6-In)	Inbound	Allow		Local	Local Packet Too Big error messages are sent from any node that...
Core Networking - Packet Too Big (ICMPv6-Out)	Outbound	Allow		Local	Local Packet Too Big error messages are sent from any node that...
Core Networking - Parameter Problem (ICMPv6-In)	Inbound	Allow		Local	Local Parameter Problem error messages are sent by nodes as a r...
Core Networking - Parameter Problem (ICMPv6-Out)	Outbound	Allow		Local	Local Parameter Problem error messages are sent by nodes as a r...
Core Networking - Router Advertisement (ICMPv6-In)	Inbound	Allow		Local	Local Router Advertisement messages are sent by routers to othe...
Core Networking - Router Advertisement (ICMPv6-Out)	Outbound	Allow		Local	Local Router Advertisement messages are sent by routers to othe...
Core Networking - Router Solicitation (ICMPv6-In)	Inbound	Allow		Local	Local Router Solicitation messages are sent by nodes seeking ro...
Core Networking - Router Solicitation (ICMPv6-Out)	Outbound	Allow		Local	Local Router Solicitation messages are sent by nodes seeking ro...
Core Networking - Teredo (UDP-In)	Inbound	Allow		Local	Local Inbound UDP rule to allow Teredo edge traversal, a techno...
Core Networking - Teredo (UDP-Out)	Outbound	Allow		Local	Local Outbound UDP rule to allow Teredo edge traversal, a techn...
Core Networking - Time Exceeded (ICMPv6-In)	Inbound	Allow		Local	Local Time Exceeded error messages are generated from any node ...
Core Networking - Time Exceeded (ICMPv6-Out)	Outbound	Allow		Local	Local Time Exceeded error messages are generated from any node ...
Cortana	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local	Local Search the web and Windows
Cortana	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local	Local Search the web and Windows
Cortana	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local	Local Search the web and Windows
Cortana	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local	Local Search the web and Windows
Delivery Optimization (TCP-In)	Inbound	Allow		Local	Local Inbound rule to allow Delivery Optimization to connect to...
Delivery Optimization (UDP-In)	Inbound	Allow		Local	Local Inbound rule to allow Delivery Optimization to connect to...
DIAL protocol server (HTTP-In)	Inbound	Allow		Local	Local Inbound rule for DIAL protocol server to allow remote con...
DIAL protocol server (HTTP-In)	Inbound	Allow		Local	Local Inbound rule for DIAL protocol server to allow remote con...
Distributed Transaction Coordinator (RPC)	Inbound	Allow		Local	Local Inbound rule for the Kernel Transaction Resource Manager ...
Distributed Transaction Coordinator (RPC)	Inbound	Allow		Local	Local Inbound rule for the Kernel Transaction Resource Manager ...
Distributed Transaction Coordinator (RPC-EPMAP)	Inbound	Allow		Local	Local Inbound rule for the RPCSS service to allow RPC/TCP traff...
Distributed Transaction Coordinator (RPC-EPMAP)	Inbound	Allow		Local	Local Inbound rule for the RPCSS service to allow RPC/TCP traff...
Distributed Transaction Coordinator (TCP-In)	Inbound	Allow		Local	Local Inbound rule to allow traffic for the Distributed Transac...
Distributed Transaction Coordinator (TCP-In)	Inbound	Allow		Local	Local Inbound rule to allow traffic for the Distributed Transac...
Distributed Transaction Coordinator (TCP-Out)	Outbound	Allow		Local	Local Outbound rule to allow traffic for the Distributed Transa...

Distributed Transaction Coordinator (TCP-Out)	Outbound	Allow		Local Outbound rule to allow traffic for the Distributed Transa...
DVS Adjudication Data Service	Inbound	Allow		Local Allows remote Adjudication clients to connect to the Adju...
DVS Report Service	Inbound	Allow		Local Allows remote Adjudication clients to connect to the Repo...
dvs.bridging.importadapter.exe	Inbound	Allow		Local Rule for 'C:\Program Files\Dominion Voting Systems\Electi...
DVS.DemocracySuite.ElectionEventDesigner.exe	Inbound	Allow		Local Rule for 'C:\Program Files\Dominion Voting Systems\Electi...
DVS.DemocracySuite.ResultTally.exe	Inbound	Allow		Local Rule for 'C:\Program Files\Dominion Voting Systems\Result...
DVS.Utilities.FileSystemService.exe	Inbound	Allow		Local Rule for 'C:\Program Files (x86)\Dominion Voting Systems\...
Email and accounts	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Email and accounts
Email and accounts	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Email and accounts
Feedback Hub	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Feedback Hub
Feedback Hub	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Feedback Hub
Feedback Hub	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Feedback Hub
Feedback Hub	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Feedback Hub
File and Printer Sharing (Echo Request - ICMPv4-In)	Inbound	Allow		Local Echo Request messages are sent as ping requests to other ...
File and Printer Sharing (Echo Request - ICMPv4-In)	Inbound	Allow		Local Echo Request messages are sent as ping requests to other ...
File and Printer Sharing (Echo Request - ICMPv4-In)	Inbound	Allow		Local Echo Request messages are sent as ping requests to other ...
File and Printer Sharing (Echo Request - ICMPv4-Out)	Outbound	Allow		Local Echo Request messages are sent as ping requests to other ...
File and Printer Sharing (Echo Request - ICMPv4-Out)	Outbound	Allow		Local Echo Request messages are sent as ping requests to other ...
File and Printer Sharing (Echo Request - ICMPv4-Out)	Outbound	Allow		Local Echo Request messages are sent as ping requests to other ...
File and Printer Sharing (Echo Request - ICMPv6-In)	Inbound	Allow		Local Echo Request messages are sent as ping requests to other ...
File and Printer Sharing (Echo Request - ICMPv6-In)	Inbound	Allow		Local Echo Request messages are sent as ping requests to other ...
File and Printer Sharing (Echo Request - ICMPv6-In)	Inbound	Allow		Local Echo Request messages are sent as ping requests to other ...
File and Printer Sharing (Echo Request - ICMPv6-Out)	Outbound	Allow		Local Echo Request messages are sent as ping requests to other ...
File and Printer Sharing (Echo Request - ICMPv6-Out)	Outbound	Allow		Local Echo Request messages are sent as ping requests to other ...
File and Printer Sharing (Echo Request - ICMPv6-Out)	Outbound	Allow		Local Echo Request messages are sent as ping requests to other ...
File and Printer Sharing (LLMNR-UDP-In)	Inbound	Allow		Local Inbound rule for File and Printer Sharing to allow Link L...
File and Printer Sharing (LLMNR-UDP-In)	Inbound	Allow		Local Inbound rule for File and Printer Sharing to allow Link L...
File and Printer Sharing (LLMNR-UDP-Out)	Outbound	Allow		Local Outbound rule for File and Printer Sharing to allow Link ...
File and Printer Sharing (LLMNR-UDP-Out)	Outbound	Allow		Local Outbound rule for File and Printer Sharing to allow Link ...
File and Printer Sharing (NB-Datagram-In)	Inbound	Allow		Local Inbound rule for File and Printer Sharing to allow NetBIO...
File and Printer Sharing (NB-Datagram-In)	Inbound	Allow		Local Inbound rule for File and Printer Sharing to allow NetBIO...
File and Printer Sharing (NB-Datagram-In)	Inbound	Allow		Local Inbound rule for File and Printer Sharing to allow NetBIO...
File and Printer Sharing (NB-Datagram-Out)	Outbound	Allow		Local Outbound rule for File and Printer Sharing to allow NetBI...
File and Printer Sharing (NB-Datagram-Out)	Outbound	Allow		Local Outbound rule for File and Printer Sharing to allow NetBI...
File and Printer Sharing (NB-Datagram-Out)	Outbound	Allow		Local Outbound rule for File and Printer Sharing to allow NetBI...
File and Printer Sharing (NB-Name-In)	Inbound	Allow		Local Inbound rule for File and Printer Sharing to allow NetBIO...
File and Printer Sharing (NB-Name-In)	Inbound	Allow		Local Inbound rule for File and Printer Sharing to allow NetBIO...
File and Printer Sharing (NB-Name-In)	Inbound	Allow		Local Inbound rule for File and Printer Sharing to allow NetBIO...
File and Printer Sharing (NB-Name-Out)	Outbound	Allow		Local Outbound rule for File and Printer Sharing to allow NetBI...
File and Printer Sharing (NB-Name-Out)	Outbound	Allow		Local Outbound rule for File and Printer Sharing to allow NetBI...
File and Printer Sharing (NB-Name-Out)	Outbound	Allow		Local Outbound rule for File and Printer Sharing to allow NetBI...
File and Printer Sharing (NB-Session-In)	Inbound	Allow		Local Inbound rule for File and Printer Sharing to allow NetBIO...
File and Printer Sharing (NB-Session-In)	Inbound	Allow		Local Inbound rule for File and Printer Sharing to allow NetBIO...
File and Printer Sharing (NB-Session-In)	Inbound	Allow		Local Inbound rule for File and Printer Sharing to allow NetBIO...
File and Printer Sharing (NB-Session-Out)	Outbound	Allow		Local Outbound rule for File and Printer Sharing to allow NetBI...
File and Printer Sharing (NB-Session-Out)	Outbound	Allow		Local Outbound rule for File and Printer Sharing to allow NetBI...
File and Printer Sharing (NB-Session-Out)	Outbound	Allow		Local Outbound rule for File and Printer Sharing to allow NetBI...
File and Printer Sharing (SMB-In)	Inbound	Allow		Local Inbound rule for File and Printer Sharing to allow Server...
File and Printer Sharing (SMB-In)	Inbound	Allow		Local Inbound rule for File and Printer Sharing to allow Server...
File and Printer Sharing (SMB-In)	Inbound	Allow		Local Inbound rule for File and Printer Sharing to allow Server...
File and Printer Sharing (SMB-Out)	Outbound	Allow		Local Outbound rule for File and Printer Sharing to allow Serve...
File and Printer Sharing (SMB-Out)	Outbound	Allow		Local Outbound rule for File and Printer Sharing to allow Serve...
File and Printer Sharing (SMB-Out)	Outbound	Allow		Local Outbound rule for File and Printer Sharing to allow Serve...
File and Printer Sharing (Spooler Service - RPC)	Inbound	Allow		Local Inbound rule for File and Printer Sharing to allow the Pr...
File and Printer Sharing (Spooler Service - RPC)	Inbound	Allow		Local Inbound rule for File and Printer Sharing to allow the Pr...
File and Printer Sharing (Spooler Service - RPC)	Inbound	Allow		Local Inbound rule for File and Printer Sharing to allow the Pr...
File and Printer Sharing (Spooler Service - RPC-EPMAP)	Inbound	Allow		Local Inbound rule for the RPCSS service to allow RPC/TCP traff...
File and Printer Sharing (Spooler Service - RPC-EPMAP)	Inbound	Allow		Local Inbound rule for the RPCSS service to allow RPC/TCP traff...
File and Printer Sharing (Spooler Service - RPC-EPMAP)	Inbound	Allow		Local Inbound rule for the RPCSS service to allow RPC/TCP traff...
Get Office	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Get the latest versions of Word, Excel, PowerPoint, Outlo...
Get Office	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Get the latest versions of Word, Excel, PowerPoint, Outlo...
Get Office	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Get the latest versions of Word, Excel, PowerPoint, Outlo...
Get Office	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Get the latest versions of Word, Excel, PowerPoint, Outlo...
Get Started	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Get Started
Get Started	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Get Started
Groove Music	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Groove Music
Groove Music	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Groove Music
Groove Music	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Groove Music
Groove Music	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Groove Music
HomeGroup In	Inbound	Allow		Local HomeGroup Allow In 3587
HomeGroup In (PNRP)	Inbound	Allow		Local HomeGroup Allow In 3540 (PNRP)
HomeGroup Out	Outbound	Allow		Local HomeGroup Allow Out 3587
HomeGroup Out (PNRP)	Outbound	Allow		Local HomeGroup Allow Out 3540 (PNRP)
IIS	Inbound	Allow		Local Rule for port '80', protocol 'NET_FW_IP_PROTOCOL_TCP', in...
Inbound Rule for Remote Shutdown (RPC-EP-In)	Inbound	Allow		Local Inbound rule for the RPCSS service to allow RPC/TCP traffic
Inbound Rule for Remote Shutdown (TCP-In)	Inbound	Allow		Local Inbound rule for the Remote Shutdown via dynamic RPC/TCP.
iSCSI Service (TCP-In)	Inbound	Allow		Local Inbound rule for the iSCSI Service to allow communication...
iSCSI Service (TCP-In)	Inbound	Allow		Local Inbound rule for the iSCSI Service to allow communication...
iSCSI Service (TCP-Out)	Outbound	Allow		Local Outbound rule for the iSCSI Service to allow communicatio...
iSCSI Service (TCP-Out)	Outbound	Allow		Local Outbound rule for the iSCSI Service to allow communicatio...
Key Management Service (TCP-In)	Inbound	Allow		Local Inbound rule for the Key Management Service to allow for ...
Key Management Service (TCP-In)	Inbound	Allow		Local Inbound rule for the Key Management Service to allow for ...
Mail and Calendar	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Mail and Calendar
Mail and Calendar	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Mail and Calendar
mDNS (UDP-In)	Inbound	Allow		Local Inbound rule for mDNS traffic [UDP]
mDNS (UDP-Out)	Outbound	Allow		Local Outbound rule for mDNS traffic [UDP]
Media Center Extenders - Device Provisioning (TCP-Out)	Outbound	Allow		Local Outbound rule for Media Center Extenders to allow traffic...
Media Center Extenders - Device Validation (TCP-Out)	Outbound	Allow		Local Outbound rule for Media Center Extenders to allow traffic...
Media Center Extenders - HTTP Streaming (TCP-In)	Inbound	Allow		Local Inbound rule for Media Center Extenders to allow HTTP Med...
Media Center Extenders - Media Streaming (TCP-In)	Inbound	Allow		Local Inbound rule for Media Center Extenders to allow UPnP tra...
Media Center Extenders - Media Streaming (TCP-Out)	Outbound	Allow		Local Outbound rule for Media Center Extenders to allow UPnP tr...
Media Center Extenders - Media Streaming (UDP-Out)	Outbound	Allow		Local Outbound rule for Media Center Extenders to allow Media S...
Media Center Extenders - qWave (TCP-In)	Inbound	Allow		Local Inbound rule for Media Center Extenders to allow use of t...
Media Center Extenders - qWave (TCP-Out)	Outbound	Allow		Local Outbound rule for Media Center Extenders to allow use of ...
Media Center Extenders - qWave (UDP-In)	Inbound	Allow		Local Inbound rule for Media Center Extenders to allow use of t...
Media Center Extenders - qWave (UDP-Out)	Outbound	Allow		Local Outbound rule for Media Center Extenders to allow use of ...
Media Center Extenders - RTSP (TCP-In)	Inbound	Allow		Local Inbound rule for Media Center Extenders to allow RTSP AV ...
Media Center Extenders - RTSP (TCP-Out)	Outbound	Allow		Local Outbound rule for Media Center Extenders to allow WMDRM-N...
Media Center Extenders - Service (TCP-Out)	Outbound	Allow		Local Outbound rule for Media Center Extenders to allow extende...
Media Center Extenders - SSDP (UDP-In)	Inbound	Allow		Local Inbound rule for Media Center Extenders to allow use of t...
Media Center Extenders - SSDP (UDP-Out)	Outbound	Allow		Local Outbound rule for Media Center Extenders to allow use of ...
Media Center Extenders - UPnP (TCP-Out)	Outbound	Allow		Local Outbound rule for Media Center Extenders to allow UPnP de...
Media Center Extenders - WMDRM-ND/RTP/RTCP (UDP-In)	Inbound	Allow		Local Inbound rule for Media Center Extenders to allow WMDRM-ND...
Media Center Extenders - WMDRM-ND/RTP/RTCP (UDP-Out)	Outbound	Allow		Local Outbound rule for Media Center Extenders to allow WMDRM-N...

Media Center Extenders - WMDRM-ND/RTP/RTCP (UDP-Out)	Outbound	Allow		Local Outbound rule for Media Center Extenders to allow WMDRM-N...
Media Center Extenders - XSP (TCP-In)	Inbound	Allow		Local Inbound rule for Media Center Extenders to allow terminal...
Message Queuing TCP Inbound	Inbound	Allow		Local Message Queuing TCP Inbound
Message Queuing TCP Outbound	Outbound	Allow		Local Message Queuing TCP Outbound
Message Queuing UDP Inbound	Inbound	Allow		Local Message Queuing UDP Inbound
Message Queuing UDP Outbound	Outbound	Allow		Local Message Queuing UDP Outbound
Microsoft Edge	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Microsoft Edge
Microsoft Edge	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Microsoft Edge
Microsoft Edge	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Microsoft Edge
Microsoft Edge	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Microsoft Edge
Microsoft family features	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Microsoft family features
Microsoft family features	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Microsoft family features
Microsoft Messaging	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Microsoft Messaging
Microsoft Messaging	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Microsoft Messaging
Microsoft Messaging	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Microsoft Messaging
Microsoft Messaging	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Microsoft Messaging
Microsoft People	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Microsoft People
Microsoft People	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Microsoft People
Microsoft Photos	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Microsoft Photos
Microsoft Photos	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Microsoft Photos
Microsoft Photos	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Microsoft Photos
Microsoft Photos	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Microsoft Photos
Microsoft Solitaire Collection	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Microsoft Solitaire Collection
Microsoft Solitaire Collection	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Microsoft Solitaire Collection
Microsoft Solitaire Collection	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Microsoft Solitaire Collection
Microsoft Solitaire Collection	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Microsoft Solitaire Collection
Microsoft Sticky Notes	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Microsoft Sticky Notes
Microsoft Sticky Notes	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Microsoft Sticky Notes
Movies & TV	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Movies & TV
Movies & TV	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Movies & TV
Movies & TV	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Movies & TV
Movies & TV	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Movies & TV
MSN Weather	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local MSN Weather
MSN Weather	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local MSN Weather
Netlogon Service (NP-In)	Inbound	Allow		Local Inbound rule for the NetLogon service to be remotely mana...
Netlogon Service Authz (RPC)	Inbound	Allow		Local Inbound rule for the NetLogon service to process remote a...
NETTCP	Inbound	Allow		Local
Network Discovery (LLMNR-UDP-In)	Inbound	Allow		Local Inbound rule for Network Discovery to allow Link Local Mu...
Network Discovery (LLMNR-UDP-In)	Inbound	Allow		Local Inbound rule for Network Discovery to allow Link Local Mu...
Network Discovery (LLMNR-UDP-In)	Inbound	Allow		Local Inbound rule for Network Discovery to allow Link Local Mu...
Network Discovery (LLMNR-UDP-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to allow Link Local M...
Network Discovery (LLMNR-UDP-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to allow Link Local M...
Network Discovery (LLMNR-UDP-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to allow Link Local M...
Network Discovery (NB-Datagram-In)	Inbound	Allow		Local Inbound rule for Network Discovery to allow NetBIOS Datag...
Network Discovery (NB-Datagram-In)	Inbound	Allow		Local Inbound rule for Network Discovery to allow NetBIOS Datag...
Network Discovery (NB-Datagram-In)	Inbound	Allow		Local Inbound rule for Network Discovery to allow NetBIOS Datag...
Network Discovery (NB-Datagram-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to allow NetBIOS Data...
Network Discovery (NB-Datagram-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to allow NetBIOS Data...
Network Discovery (NB-Datagram-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to allow NetBIOS Data...
Network Discovery (NB-Name-In)	Inbound	Allow		Local Inbound rule for Network Discovery to allow NetBIOS Name ...
Network Discovery (NB-Name-In)	Inbound	Allow		Local Inbound rule for Network Discovery to allow NetBIOS Name ...
Network Discovery (NB-Name-In)	Inbound	Allow		Local Inbound rule for Network Discovery to allow NetBIOS Name ...
Network Discovery (NB-Name-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to allow NetBIOS Name...
Network Discovery (NB-Name-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to allow NetBIOS Name...
Network Discovery (NB-Name-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to allow NetBIOS Name...
Network Discovery (Pub WSD-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to discover devices v...
Network Discovery (Pub WSD-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to discover devices v...
Network Discovery (Pub WSD-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to discover devices v...
Network Discovery (Pub-WSD-In)	Inbound	Allow		Local Inbound rule for Network Discovery to discover devices vi...
Network Discovery (Pub-WSD-In)	Inbound	Allow		Local Inbound rule for Network Discovery to discover devices vi...
Network Discovery (Pub-WSD-In)	Inbound	Allow		Local Inbound rule for Network Discovery to discover devices vi...
Network Discovery (SSDP-In)	Inbound	Allow		Local Inbound rule for Network Discovery to allow use of the Si...
Network Discovery (SSDP-In)	Inbound	Allow		Local Inbound rule for Network Discovery to allow use of the Si...
Network Discovery (SSDP-In)	Inbound	Allow		Local Inbound rule for Network Discovery to allow use of the Si...
Network Discovery (SSDP-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to allow use of the S...
Network Discovery (SSDP-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to allow use of the S...
Network Discovery (SSDP-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to allow use of the S...
Network Discovery (UPnPHost-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to allow use of Unive...
Network Discovery (UPnPHost-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to allow use of Unive...
Network Discovery (UPnPHost-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to allow use of Unive...
Network Discovery (UPnP-In)	Inbound	Allow		Local Inbound rule for Network Discovery to allow use of Univer...
Network Discovery (UPnP-In)	Inbound	Allow		Local Inbound rule for Network Discovery to allow use of Univer...
Network Discovery (UPnP-In)	Inbound	Allow		Local Inbound rule for Network Discovery to allow use of Univer...
Network Discovery (UPnP-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to allow use of Unive...
Network Discovery (UPnP-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to allow use of Unive...
Network Discovery (UPnP-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to allow use of Unive...
Network Discovery (WSD Events-In)	Inbound	Allow		Local Inbound rule for Network Discovery to allow WSDAPI Events...
Network Discovery (WSD Events-In)	Inbound	Allow		Local Inbound rule for Network Discovery to allow WSDAPI Events...
Network Discovery (WSD Events-In)	Inbound	Allow		Local Inbound rule for Network Discovery to allow WSDAPI Events...
Network Discovery (WSD Events-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to allow WSDAPI Event...
Network Discovery (WSD Events-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to allow WSDAPI Event...
Network Discovery (WSD Events-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to allow WSDAPI Event...
Network Discovery (WSD EventsSecure-In)	Inbound	Allow		Local Inbound rule for Network Discovery to allow Secure WSDAPI...
Network Discovery (WSD EventsSecure-In)	Inbound	Allow		Local Inbound rule for Network Discovery to allow Secure WSDAPI...
Network Discovery (WSD EventsSecure-In)	Inbound	Allow		Local Inbound rule for Network Discovery to allow Secure WSDAPI...
Network Discovery (WSD EventsSecure-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to allow Secure WSDAP...
Network Discovery (WSD EventsSecure-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to allow Secure WSDAP...
Network Discovery (WSD EventsSecure-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to allow Secure WSDAP...
Network Discovery (WSD-In)	Inbound	Allow		Local Inbound rule for Network Discovery to discover devices vi...
Network Discovery (WSD-In)	Inbound	Allow		Local Inbound rule for Network Discovery to discover devices vi...
Network Discovery (WSD-In)	Inbound	Allow		Local Inbound rule for Network Discovery to discover devices vi...
Network Discovery (WSD-In)	Inbound	Allow		Local Inbound rule for Network Discovery to discover devices vi...
Network Discovery (WSD-In)	Inbound	Allow		Local Inbound rule for Network Discovery to discover devices vi...
Network Discovery (WSD-In)	Inbound	Allow		Local Inbound rule for Network Discovery to discover devices vi...
Network Discovery (WSD-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to discover devices v...
Network Discovery (WSD-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to discover devices v...
Network Discovery (WSD-Out)	Outbound	Allow		Local Outbound rule for Network Discovery to discover devices v...
OneNote	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local OneNote
OneNote	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local OneNote
OneNote	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local OneNote
OneNote	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local OneNote
Paid Wi-Fi & Cellular	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Paid Wi-Fi & Cellular
Paid Wi-Fi & Cellular	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Paid Wi-Fi & Cellular
Performance Logs and Alerts (DCOM-In)	Inbound	Allow		Local Inbound rule for Performance Logs and Alerts to allow rem...
Performance Logs and Alerts (DCOM-In)	Inbound	Allow		Local Inbound rule for Performance Logs and Alerts to allow rem...

Performance Logs and Alerts (TCP-In)	Inbound	Allow	Local Inbound rule for Performance Logs and Alerts traffic. [TC...
Performance Logs and Alerts (TCP-In)	Inbound	Allow	Local Inbound rule for Performance Logs and Alerts traffic. [TC...
Proximity sharing over TCP (TCP sharing-In)	Inbound	Allow	Local Inbound rule for Proximity sharing over TCP
Proximity sharing over TCP (TCP sharing-Out)	Outbound	Allow	Local Outbound rule for Proximity sharing over TCP
Remote Assistance (DCOM-In)	Inbound	Allow	Local Inbound rule for Remote Assistance to allow offers for as...
Remote Assistance (PNRP-In)	Inbound	Allow	Local Inbound rule for Remote Assistance to allow use Peer Name...
Remote Assistance (PNRP-In)	Inbound	Allow	Local Inbound rule for Remote Assistance to allow use Peer Name...
Remote Assistance (PNRP-Out)	Outbound	Allow	Local Outbound rule for Remote Assistance to allow use of Peer ...
Remote Assistance (PNRP-Out)	Outbound	Allow	Local Outbound rule for Remote Assistance to allow use of Peer ...
Remote Assistance (RA Server TCP-In)	Inbound	Allow	Local Inbound rule for Remote Assistance to allow offers for as...
Remote Assistance (RA Server TCP-Out)	Outbound	Allow	Local Outbound rule for Remote Assistance to allow offers for a...
Remote Assistance (SSDP TCP-In)	Inbound	Allow	Local Inbound rule for Remote Assistance to allow use of Univer...
Remote Assistance (SSDP TCP-Out)	Outbound	Allow	Local Outbound rule for Remote Assistance to allow use of Unive...
Remote Assistance (SSDP UDP-In)	Inbound	Allow	Local Inbound rule for Remote Assistance to allow use of the SI...
Remote Assistance (SSDP UDP-Out)	Outbound	Allow	Local Outbound rule for Remote Assistance to allow use of the S...
Remote Assistance (TCP-In)	Inbound	Allow	Local Inbound rule for Remote Assistance traffic. [TCP]
Remote Assistance (TCP-In)	Inbound	Allow	Local Inbound rule for Remote Assistance traffic. [TCP]
Remote Assistance (TCP-Out)	Outbound	Allow	Local Outbound rule for Remote Assistance traffic. [TCP]
Remote Assistance (TCP-Out)	Outbound	Allow	Local Outbound rule for Remote Assistance traffic. [TCP]
Remote Desktop - Shadow (TCP-In)	Inbound	Allow	Local Inbound rule for the Remote Desktop service to allow shad...
Remote Desktop - User Mode (TCP-In)	Inbound	Allow	Local Inbound rule for the Remote Desktop service to allow RDP ...
Remote Desktop - User Mode (UDP-In)	Inbound	Allow	Local Inbound rule for the Remote Desktop service to allow RDP ...
Remote Event Log Management (NP-In)	Inbound	Allow	Local Inbound rule for the local Event Log service to be remote...
Remote Event Log Management (NP-In)	Inbound	Allow	Local Inbound rule for the local Event Log service to be remote...
Remote Event Log Management (RPC)	Inbound	Allow	Local Inbound rule for the local Event Log service to be remote...
Remote Event Log Management (RPC)	Inbound	Allow	Local Inbound rule for the local Event Log service to be remote...
Remote Event Log Management (RPC-EPMAP)	Inbound	Allow	Local Inbound rule for the RPCSS service to allow RPC/TCP traff...
Remote Event Log Management (RPC-EPMAP)	Inbound	Allow	Local Inbound rule for the RPCSS service to allow RPC/TCP traff...
Remote Event Monitor (RPC)	Inbound	Allow	Local Inbound rule for remote event monitoring via RPC/TCP.
Remote Event Monitor (RPC-EPMAP)	Inbound	Allow	Local Inbound rule for the RPCSS service to allow RPC/TCP traff...
Remote Scheduled Tasks Management (RPC)	Inbound	Allow	Local Inbound rule for the Task Scheduler service to be remotel...
Remote Scheduled Tasks Management (RPC)	Inbound	Allow	Local Inbound rule for the Task Scheduler service to be remotel...
Remote Scheduled Tasks Management (RPC-EPMAP)	Inbound	Allow	Local Inbound rule for the RPCSS service to allow RPC/TCP traff...
Remote Scheduled Tasks Management (RPC-EPMAP)	Inbound	Allow	Local Inbound rule for the RPCSS service to allow RPC/TCP traff...
Remote Service Management (NP-In)	Inbound	Allow	Local Inbound rule for the local Service Control Manager to be ...
Remote Service Management (NP-In)	Inbound	Allow	Local Inbound rule for the local Service Control Manager to be ...
Remote Service Management (RPC)	Inbound	Allow	Local Inbound rule for the local Service Control Manager to be ...
Remote Service Management (RPC)	Inbound	Allow	Local Inbound rule for the local Service Control Manager to be ...
Remote Service Management (RPC-EPMAP)	Inbound	Allow	Local Inbound rule for the RPCSS service to allow RPC/TCP traff...
Remote Service Management (RPC-EPMAP)	Inbound	Allow	Local Inbound rule for the RPCSS service to allow RPC/TCP traff...
Remote Volume Management - Virtual Disk Service (RPC)	Inbound	Allow	Local Inbound rule for the Remote Volume Management - Virtual D...
Remote Volume Management - Virtual Disk Service (RPC)	Inbound	Allow	Local Inbound rule for the Remote Volume Management - Virtual D...
Remote Volume Management - Virtual Disk Service Loader (RPC)	Inbound	Allow	Local Inbound rule for the Remote Volume Management - Virtual D...
Remote Volume Management - Virtual Disk Service Loader (RPC)	Inbound	Allow	Local Inbound rule for the Remote Volume Management - Virtual D...
Remote Volume Management (RPC-EPMAP)	Inbound	Allow	Local Inbound rule for the RPCSS service to allow RPC/TCP traff...
Remote Volume Management (RPC-EPMAP)	Inbound	Allow	Local Inbound rule for the RPCSS service to allow RPC/TCP traff...
Routing and Remote Access (GRE-In)	Inbound	Allow	Local Inbound rule for RRAS to allow Generic Routing Encapsulat...
Routing and Remote Access (GRE-Out)	Outbound	Allow	Local Outbound rule for RRAS to allow Generic Routing Encapsula...
Routing and Remote Access (L2TP-In)	Inbound	Allow	Local Inbound rule for RRAS to allow Layer 2 Tunnel Protocol tr...
Routing and Remote Access (L2TP-Out)	Outbound	Allow	Local Outbound rule for RRAS to allow Layer 2 Tunnel Protocol t...
Routing and Remote Access (PPTP-In)	Inbound	Allow	Local Inbound rule for RRAS to allow Point-to-Point Tunnel Prot...
Routing and Remote Access (PPTP-Out)	Outbound	Allow	Local Outbound rule for RRAS to allow Point-to-Point Tunnel Pro...
Secure Socket Tunneling Protocol (SSTP-In)	Inbound	Allow	Local Inbound rule to allow HTTPS traffic for Secure Socket Tun...
Skype Preview	Inbound	Allow S-1-5-21-2287792903-2086945480-2811675288-1019	Local Skype Preview
Skype Preview	Outbound	Allow S-1-5-21-2287792903-2086945480-2811675288-1019	Local Skype Preview
Skype Preview	Inbound	Allow S-1-5-21-2287792903-2086945480-2811675288-1001	Local Skype Preview
Skype Preview	Outbound	Allow S-1-5-21-2287792903-2086945480-2811675288-1001	Local Skype Preview
SmartScreen	Outbound	Allow S-1-5-21-2287792903-2086945480-2811675288-1019	Local SmartScreen
SmartScreen	Outbound	Allow S-1-5-21-2287792903-2086945480-2811675288-1001	Local SmartScreen
SNMP Trap Service (UDP In)	Inbound	Allow	Local Inbound rule for the SNMP Trap Service to allow SNMP trap...
SNMP Trap Service (UDP In)	Inbound	Allow	Local Inbound rule for the SNMP Trap Service to allow SNMP trap...
SQL	Inbound	Allow	Local Rule for port '1433', protocol 'NET_FW_IP_PROTOCOL_TCP', ...
Store	Inbound	Allow S-1-5-21-2287792903-2086945480-2811675288-1019	Local Store
Store	Outbound	Allow S-1-5-21-2287792903-2086945480-2811675288-1019	Local Store
Store	Outbound	Allow S-1-5-21-2287792903-2086945480-2811675288-1001	Local Store
Store	Inbound	Allow S-1-5-21-2287792903-2086945480-2811675288-1001	Local Store
Store Purchase App	Outbound	Allow S-1-5-21-2287792903-2086945480-2811675288-1019	Local Store Purchase App
Store Purchase App	Outbound	Allow S-1-5-21-2287792903-2086945480-2811675288-1001	Local Store Purchase App
Take a Test	Outbound	Allow S-1-5-21-2287792903-2086945480-2811675288-1019	Local Take a Test
Take a Test	Outbound	Allow S-1-5-21-2287792903-2086945480-2811675288-1001	Local Take a Test
TPM Virtual Smart Card Management (DCOM-In)	Inbound	Allow	Local Inbound rule for remote TPM Virtual Smart Card Management...
TPM Virtual Smart Card Management (DCOM-In)	Inbound	Allow	Local Inbound rule for remote TPM Virtual Smart Card Management...
TPM Virtual Smart Card Management (TCP-In)	Inbound	Allow	Local Inbound rule for remote TPM Virtual Smart Card Management...
TPM Virtual Smart Card Management (TCP-In)	Inbound	Allow	Local Inbound rule for remote TPM Virtual Smart Card Management...
TPM Virtual Smart Card Management (TCP-Out)	Outbound	Allow	Local Outbound rule for remote TPM Virtual Smart Card Managemen...
TPM Virtual Smart Card Management (TCP-Out)	Outbound	Allow	Local Outbound rule for remote TPM Virtual Smart Card Managemen...
Virtual Machine Monitoring (DCOM-In)	Inbound	Allow	Local Allow DCOM traffic for remote Windows Management Instrume...
Virtual Machine Monitoring (Echo Request - ICMPv4-In)	Inbound	Allow	Local Echo Request messages are sent as ping requests to other ...
Virtual Machine Monitoring (Echo Request - ICMPv6-In)	Inbound	Allow	Local Echo Request messages are sent as ping requests to other ...
Virtual Machine Monitoring (NB-Session-In)	Inbound	Allow	Local Allow NetBIOS Session Service connections.
Virtual Machine Monitoring (RPC)	Inbound	Allow	Local Allow Task Scheduler service to be remotely managed via R...
Web Management Service (HTTP Traffic-In)	Inbound	Allow	Local An inbound rule to allow Web Management Service traffic f...
WFD ASP Coordination Protocol (UDP-In)	Inbound	Allow	Local Inbound rule for WLAN Service to allow coordination proto...
WFD ASP Coordination Protocol (UDP-Out)	Outbound	Allow	Local Outbound rule for WLAN Service to allow coordination prot...
Wi-Fi Direct Network Discovery (In)	Inbound	Allow	Local Inbound rule to discover WSD devices on Wi-Fi Direct netw...
Wi-Fi Direct Network Discovery (Out)	Outbound	Allow	Local Outbound rule to discover WSD devices on Wi-Fi Direct net...
Wi-Fi Direct Scan Service Use (In)	Inbound	Allow	Local Inbound rule to use WSD scanners on Wi-Fi Direct networks.
Wi-Fi Direct Scan Service Use (Out)	Outbound	Allow	Local Outbound rule to use WSD scanners on Wi-Fi Direct networks.
Wi-Fi Direct Spooler Use (In)	Inbound	Allow	Local Inbound rule to use WSD printers on Wi-Fi Direct networks.
Wi-Fi Direct Spooler Use (Out)	Outbound	Allow	Local Outbound rule to use WSD printers on Wi-Fi Direct networks.
Windows Collaboration Computer Name Registration Service (PNRP-In)	Inbound	Allow	Local Inbound rule for the Windows Collaboration Computer Name ...
Windows Collaboration Computer Name Registration Service (PNRP-Out)	Outbound	Allow	Local Outbound rule for the Windows Collaboration Computer Name...
Windows Collaboration Computer Name Registration Service (SSDP-In)	Inbound	Allow	Local Inbound rule for the Windows Collaboration Computer Name ...
Windows Collaboration Computer Name Registration Service (SSDP-Out)	Outbound	Allow	Local Outbound rule for the Windows Collaboration Computer Name...
Windows Communication Foundation Net.TCP Listener Adapter (TCP-In)	Inbound	Allow	Local An inbound rule for Windows Communication Foundation to a...
Windows Default Lock Screen	Outbound	Allow S-1-5-21-2287792903-2086945480-2811675288-1019	Local Windows Default Lock Screen
Windows Default Lock Screen	Outbound	Allow S-1-5-21-2287792903-2086945480-2811675288-1001	Local Windows Default Lock Screen
Windows Firewall Remote Management (RPC)	Inbound	Allow	Local Inbound rule for the Windows Firewall to be remotely mana...
Windows Firewall Remote Management (RPC)	Inbound	Allow	Local Inbound rule for the Windows Firewall to be remotely mana...
Windows Firewall Remote Management (RPC-EPMAP)	Inbound	Allow	Local Inbound rule for the RPCSS service to allow RPC/TCP traff...
Windows Firewall Remote Management (RPC-EPMAP)	Inbound	Allow	Local Inbound rule for the RPCSS service to allow RPC/TCP traff...
Windows Management Instrumentation (ASync-In)	Inbound	Allow	Local Inbound rule to allow Asynchronous WMI traffic for remote...
Windows Management Instrumentation (ASync-In)	Inbound	Allow	Local Inbound rule to allow Asynchronous WMI traffic for remote...
Windows Management Instrumentation (DCOM-In)	Inbound	Allow	Local Inbound rule to allow DCOM traffic for remote Windows Man...

Windows Management Instrumentation (DCOM-In)	Inbound	Allow		Local Inbound rule to allow DCOM traffic for remote Windows Man...
Windows Management Instrumentation (WMI-In)	Inbound	Allow		Local Inbound rule to allow WMI traffic for remote Windows Mana...
Windows Management Instrumentation (WMI-In)	Inbound	Allow		Local Inbound rule to allow WMI traffic for remote Windows Mana...
Windows Management Instrumentation (WMI-Out)	Outbound	Allow		Local Outbound rule to allow WMI traffic for remote Windows Man...
Windows Management Instrumentation (WMI-Out)	Outbound	Allow		Local Outbound rule to allow WMI traffic for remote Windows Man...
Windows Maps	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Windows Maps
Windows Maps	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Windows Maps
Windows Media Player (TCP-Out)	Outbound	Allow		Local Outbound rule for Windows Media Player to allow TCP/HTTP ...
Windows Media Player (UDP-In)	Inbound	Allow		Local Inbound rule for Windows Media Player to allow UDP Media ...
Windows Media Player (UDP-Out)	Outbound	Allow		Local Outbound rule for Windows Media Player to allow UDP Media...
Windows Media Player Network Sharing Service (HTTP-Streaming-In)	Inbound	Allow		Local Inbound rule for the Windows Media Player Network Sharing...
Windows Media Player Network Sharing Service (HTTP-Streaming-In)	Inbound	Allow		Local Inbound rule for the Windows Media Player Network Sharing...
Windows Media Player Network Sharing Service (HTTP-Streaming-In)	Inbound	Allow		Local Inbound rule for the Windows Media Player Network Sharing...
Windows Media Player Network Sharing Service (HTTP-Streaming-Out)	Outbound	Allow		Local Outbound rule for the Windows Media Player Network Sharin...
Windows Media Player Network Sharing Service (HTTP-Streaming-Out)	Outbound	Allow		Local Outbound rule for the Windows Media Player Network Sharin...
Windows Media Player Network Sharing Service (qWave-TCP-In)	Inbound	Allow		Local Inbound rule for the Windows Media Player Network Sharing...
Windows Media Player Network Sharing Service (qWave-TCP-In)	Inbound	Allow		Local Inbound rule for the Windows Media Player Network Sharing...
Windows Media Player Network Sharing Service (qWave-TCP-Out)	Outbound	Allow		Local Outbound rule for the Windows Media Player Network Sharin...
Windows Media Player Network Sharing Service (qWave-TCP-Out)	Outbound	Allow		Local Outbound rule for the Windows Media Player Network Sharin...
Windows Media Player Network Sharing Service (qWave-UDP-In)	Inbound	Allow		Local Inbound rule for the Windows Media Player Network Sharing...
Windows Media Player Network Sharing Service (qWave-UDP-In)	Inbound	Allow		Local Inbound rule for the Windows Media Player Network Sharing...
Windows Media Player Network Sharing Service (qWave-UDP-Out)	Outbound	Allow		Local Outbound rule for the Windows Media Player Network Sharin...
Windows Media Player Network Sharing Service (qWave-UDP-Out)	Outbound	Allow		Local Outbound rule for the Windows Media Player Network Sharin...
Windows Media Player Network Sharing Service (SSDP-In)	Inbound	Allow		Local Inbound rule for the Windows Media Player Network Sharing...
Windows Media Player Network Sharing Service (SSDP-Out)	Outbound	Allow		Local Outbound rule for the Windows Media Player Network Sharin...
Windows Media Player Network Sharing Service (Streaming-TCP-Out)	Outbound	Allow		Local Outbound rule for Windows Media Player to allow TCP/HTTP ...
Windows Media Player Network Sharing Service (Streaming-TCP-Out)	Outbound	Allow		Local Outbound rule for Windows Media Player to allow TCP/HTTP ...
Windows Media Player Network Sharing Service (Streaming-UDP-In)	Inbound	Allow		Local Inbound rule for Windows Media Player to allow UDP Media ...
Windows Media Player Network Sharing Service (Streaming-UDP-In)	Inbound	Allow		Local Inbound rule for Windows Media Player to allow UDP Media ...
Windows Media Player Network Sharing Service (Streaming-UDP-Out)	Outbound	Allow		Local Outbound rule for Windows Media Player to allow UDP Media...
Windows Media Player Network Sharing Service (Streaming-UDP-Out)	Outbound	Allow		Local Outbound rule for Windows Media Player to allow UDP Media...
Windows Media Player Network Sharing Service (TCP-In)	Inbound	Allow		Local Inbound rule for the Windows Media Player Network Sharing...
Windows Media Player Network Sharing Service (TCP-In)	Inbound	Allow		Local Inbound rule for the Windows Media Player Network Sharing...
Windows Media Player Network Sharing Service (TCP-Out)	Outbound	Allow		Local Outbound rule for the Windows Media Player Network Sharin...
Windows Media Player Network Sharing Service (TCP-Out)	Outbound	Allow		Local Outbound rule for the Windows Media Player Network Sharin...
Windows Media Player Network Sharing Service (UDP-In)	Inbound	Allow		Local Inbound rule for the Windows Media Player Network Sharing...
Windows Media Player Network Sharing Service (UDP-In)	Inbound	Allow		Local Inbound rule for the Windows Media Player Network Sharing...
Windows Media Player Network Sharing Service (UDP-Out)	Outbound	Allow		Local Outbound rule for the Windows Media Player Network Sharin...
Windows Media Player Network Sharing Service (UDP-Out)	Outbound	Allow		Local Outbound rule for the Windows Media Player Network Sharin...
Windows Media Player Network Sharing Service (UPnPHost-Out)	Outbound	Allow		Local Outbound rule for the Windows Media Player Network Sharin...
Windows Media Player Network Sharing Service (UPnP-In)	Inbound	Allow		Local Inbound rule for the Windows Media Player Network Sharing...
Windows Media Player Network Sharing Service (UPnP-Out)	Outbound	Allow		Local Outbound rule for the Windows Media Player Network Sharin...
Windows Media Player x86 (TCP-Out)	Outbound	Allow		Local Outbound rule for Windows Media Player to allow TCP/HTTP ...
Windows Media Player x86 (UDP-In)	Inbound	Allow		Local Inbound rule for Windows Media Player to allow UDP Media ...
Windows Media Player x86 (UDP-Out)	Outbound	Allow		Local Outbound rule for Windows Media Player to allow UDP Media...
Windows Peer to Peer Collaboration Foundation (PNRP-In)	Inbound	Allow		Local Inbound rule for the Windows Peer to Peer Collaboration F...
Windows Peer to Peer Collaboration Foundation (PNRP-Out)	Outbound	Allow		Local Outbound rule for the Windows Peer to Peer Collaboration ...
Windows Peer to Peer Collaboration Foundation (SSDP-In)	Inbound	Allow		Local Inbound rule for the Windows Peer to Peer Collaboration F...
Windows Peer to Peer Collaboration Foundation (SSDP-Out)	Outbound	Allow		Local Outbound rule for the Windows Peer to Peer Collaboration ...
Windows Peer to Peer Collaboration Foundation (TCP-In)	Inbound	Allow		Local Inbound rule for the Windows Peer to Peer Collaboration F...
Windows Peer to Peer Collaboration Foundation (TCP-Out)	Outbound	Allow		Local Outbound rule for the Windows Peer to Peer Collaboration ...
Windows Peer to Peer Collaboration Foundation (WSD-In)	Inbound	Allow		Local Inbound rule for the Windows Peer to Peer Collaboration F...
Windows Peer to Peer Collaboration Foundation (WSD-In)	Inbound	Allow		Local Inbound rule for the Windows Peer to Peer Collaboration F...
Windows Peer to Peer Collaboration Foundation (WSD-Out)	Outbound	Allow		Local Outbound rule for the Windows Peer to Peer Collaboration ...
Windows Remote Management - Compatibility Mode (HTTP-In)	Inbound	Allow		Local Compatibility mode inbound rule for Windows Remote Manage...
Windows Remote Management - Compatibility Mode (HTTP-In)	Inbound	Allow		Local Compatibility mode inbound rule for Windows Remote Manage...
Windows Remote Management (HTTP-In)	Inbound	Allow		Local Inbound rule for Windows Remote Management via WS-Managem...
Windows Remote Management (HTTP-In)	Inbound	Allow		Local Inbound rule for Windows Remote Management via WS-Managem...
Windows Shell Experience	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Windows Shell Experience
Windows Shell Experience	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Windows Shell Experience
Windows Spotlight	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Windows Spotlight
Windows Spotlight	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Windows Spotlight
Wireless Display (TCP-In)	Inbound	Allow		Local Inbound rule for Wireless Display [TCP]
Wireless Display (TCP-Out)	Outbound	Allow		Local Outbound rule for Wireless Display [TCP]
Wireless Display (UDP-Out)	Outbound	Allow		Local Outbound rule for Wireless Display [UDP]
Wireless Display Infrastructure Back Channel (TCP-In)	Inbound	Allow		Local Inbound rule for Wireless Display Infrastructure back cha...
Wireless Portable Devices (SSDP-In)	Inbound	Allow		Local Inbound rule for Wireless Portable Devices to allow use o...
Wireless Portable Devices (SSDP-Out)	Outbound	Allow		Local Outbound rule for Wireless Portable Devices to allow use ...
Wireless Portable Devices (TCP-Out)	Outbound	Allow		Local Outbound rule for Wireless Portable Devices to allow use ...
Wireless Portable Devices (TCP-Out)	Outbound	Allow		Local Outbound rule for Wireless Portable Devices to allow use ...
Wireless Portable Devices (UPnPHost-Out)	Outbound	Allow		Local Outbound rule for Wireless Portable Devices to allow use ...
Wireless Portable Devices (UPnP-In)	Inbound	Allow		Local Inbound rule for Wireless Portable Devices to allow use o...
Wireless Portable Devices (UPnP-Out)	Outbound	Allow		Local Outbound rule for Wireless Portable Devices to allow use ...
Work or school account	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Work or school account
Work or school account	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Work or school account
Work or school account	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Work or school account
Work or school account	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Work or school account
World Wide Web Services (HTTP Traffic-In)	Inbound	Allow		Local An inbound rule to allow HTTP traffic for Internet Inform...
World Wide Web Services (HTTPS Traffic-In)	Inbound	Allow		Local An inbound rule to allow HTTPS traffic for Internet Infor...
Xbox	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Xbox
Xbox	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Xbox
Xbox	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Xbox
Xbox	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Xbox
Xbox Game UI	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Xbox Game UI
Xbox Game UI	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Xbox Game UI
Xbox Identity Provider	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Xbox Identity Provider
Xbox Identity Provider	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Xbox Identity Provider
Your account	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Your account
Your account	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1000	Local Your account
Your account	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1000	Local Your account
Your account	Outbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Your account
Your account	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1001	Local Your account
Your account	Inbound	Allow	S-1-5-21-2287792903-2086945480-2811675288-1019	Local Your account

InstalledPrograms - Notepad

File Edit Format View Help

DisplayName	DisplayVersion	Publisher	InstallDate	InstallSource
Tools for .Net 3.5	3.11.50727	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{1690CE56-2231-4E59-9006-A0876D949EA8}v3.11.50727\packages\sdk_tools35\
Adobe Acrobat Reader DC	15.010.20060	Adobe Systems Incorporated	20181004	C:\ProgramData\Adobe\Setup\{AC76BA86-7AD7-1033-7B44-AC0F074E4100}\
Browser for SQL Server 2016	13.1.4001.0	Microsoft Corporation	20190410	D:\Democracy_Suite_5.5.12.1S\EMSPREREQUISITES\MSSQLServer2016Express\SQLEXPRADV_x64_ENU\1033_ENU_LP\x64\setup\
DVS Adjudication Services	5.5.8.1	Dominion Voting Systems	20190410	D:\Democracy_Suite_5.5.12.1S\Adjudication\
DVS Cartridge Manager	5.5.8.1	Dominion Voting Systems	20190410	D:\Democracy_Suite_5.5.12.1S\CartridgeManager\
DVS ImageCast® Adjudication Client	5.5.8.1	Dominion Voting Systems	20190410	D:\Democracy_Suite_5.5.12.1S\Adjudication\
EMS Audio Studio v5.5.12.1	5.5.12.1	Dominion Voting Systems	20190410	D:\Democracy_Suite_5.5.12.1S\EMSAS\x32\
EMS File System Service v5.5.12.1	5.5.12.1	Dominion Voting Systems	20190410	D:\Democracy_Suite_5.5.12.1S\EMSFSS\x32\
EMS Logger v5.5.12.1	5.5.12.1	Dominion Voting Systems	20190410	D:\Democracy_Suite_5.5.12.1S\EMSLogger\x32\
EMS Service v5.5.12.1001	5.5.12.1001	Dominion Voting Systems	20190410	D:\Democracy_Suite_5.5.12.1S\EMSService\x32\
EMS Shell Service	5.5.8.1	Dominion Voting Systems	20190410	D:\Democracy_Suite_5.5.12.1S\ShellService\
Intel(R) Processor Graphics	20.19.15.4531	Intel Corporation		
Java Auto Updater	2.8.144.1	Oracle Corporation	20181004	C:\Users\EMSADMIN\AppData\LocalLow\Oracle\Java\jre1.8.0_144_x64\
Microsoft .NET Framework 4 Multi-Targeting Pack	4.0.30319	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{CFEF48A8-BFB8-3EAC-8BA5-DE4F8AA267CE}v4.0.30319\packages\NetFxDTP\
Microsoft .NET Framework 4.5 Multi-Targeting Pack	4.5.50710	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{56E962F0-4FB0-3C67-88DB-9EAA6EEFC493}v4.5.50710\packages\NetFxDTP\
Microsoft .NET Framework 4.5.1 Multi-Targeting Pack	4.5.50932	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{640C6700-EA93-372C-8871-DCCF13D160A4}v4.5.50932\packages\netfx_451mtpack\
Microsoft .NET Framework 4.5.1 Multi-Targeting Pack (ENU)	4.5.50932	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{D3517C62-68A5-37CF-92F7-93C029A89681}v4.5.50932\packages\netfx_451mtpack\enu\
Microsoft .NET Framework 4.5.1 SDK	4.5.51641	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{19A5926D-66E1-46FC-854D-163AA10A52D3}v4.5.51641\packages\sdk_tools451\
Microsoft .NET Framework 4.5.2 Multi-Targeting Pack	4.5.51209	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{B941AFB4-8851-33A1-9E72-0C33D463C41C}v4.5.51209\packages\netfx_452mtpack\
Microsoft .NET Framework 4.5.2 Multi-Targeting Pack (ENU)	4.5.51209	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{290FC320-2F5A-329E-8B40-C4193BD7A9EE}v4.5.51209\packages\netfx_452mtpack\enu\
Microsoft AS OLE DB Provider for SQL Server 2017 CTP2.1	14.0.600.111	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{24183A9B-6F1F-408C-9134-F48EB0381A98}v14.0.600.111\x86\
Microsoft Build Tools 14.0 (x86)	14.0.23107	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{D1437F51-786A-4F57-A99C-F8E94FBA1BD8}v14.0.23107\packages\BuildTools_MSBuild_x86\
Microsoft Build Tools Language Resources 14.0 (x86)	14.0.23107	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{A7E88B38-6886-4474-9D85-A8ABE5FCDB0E}v14.0.23107\packages\BuildTools_MSBuildResMsi_x86\
Microsoft Help Viewer 2.2	2.2.23107	Microsoft Corporation		
Microsoft Help Viewer 2.2	2.2.23107	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{5730588A-33CA-373C-9D70-F716605B57D2}v2.2.23107\packages\Help\
Microsoft SQL Server vNext Policies CTP2.0	14.0.500.272	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{15336D0F-F892-4782-BDCF-D360D2DB4C1C}v14.0.500.272\x86\
Microsoft SQL Server 2014 Management Objects	12.0.2000.8	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{2774595F-BC2A-4B12-A258-0C37A37049B0}v12.0.2000.8\packages\SharedManagementObjects_x86\
Microsoft SQL Server Data-Tier Application Framework (x86)	14.0.3691.3	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{DD517B18-E51F-4194-BE5A-5B8938200 1DD}v14.0.3691.3\x86\
Microsoft SQL Server Management Studio - 17.1	14.0.17119.0	Microsoft Corporation		
Microsoft SQL Server vNext CTP2.0				
Microsoft SQL Server vNext CTP2.0		Microsoft Corporation		
Microsoft System CLR Types for SQL Server 2014	12.0.2402.11	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{718FFB65-F6F4-4D62-861F-ED10ED32C936}v12.0.2402.11\packages\SQLSysClrTypes_x86\
Microsoft Visual C++ 2010 x86 Redistributable - 10.0.40219	10.0.40219	Microsoft Corporation	20190410	D:\Democracy_Suite_5.5.12.1S\EMSPREREQUISITES\MSSQLServer2016Express\SQLEXPRADV_x64_ENU\redist\VisualStudioShell\VC10SP1\x86\
Microsoft Visual C++ 2013 Redistributable (x64) - 12.0.21005	12.0.21005.1	Microsoft Corporation		
Microsoft Visual C++ 2013 Redistributable (x64) - 12.0.30501	12.0.30501.0	Microsoft Corporation		
Microsoft Visual C++ 2013 Redistributable (x64) - 12.0.40660	12.0.40660.0	Microsoft Corporation		
Microsoft Visual C++ 2013 Redistributable (x86) - 12.0.21005	12.0.21005.1	Microsoft Corporation		
Microsoft Visual C++ 2013 Redistributable (x86) - 12.0.30501	12.0.30501.0	Microsoft Corporation		
Microsoft Visual C++ 2013 Redistributable (x86) - 12.0.40660	12.0.40660.0	Microsoft Corporation		
Microsoft Visual C++ 2013 x86 Additional Runtime - 12.0.40660	12.0.40660	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{7DAD0258-515C-3DD4-8964-BD714199E0F7}v12.0.40660\packages\vcRuntimeAdditional_x86\
Microsoft Visual C++ 2013 x86 Debug Runtime - 12.0.21005	12.0.21005	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{E5CAE8D2-9F9F-3BEA-AA0F-B5B40611C704}v12.0.21005\packages\vcRuntimeDebug_x86\
Microsoft Visual C++ 2013 x86 Minimum Runtime - 12.0.40660	12.0.40660	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{E30DBB21-D82D-3211-82CC-0F0A5D1495E8}v12.0.40660\packages\vcRuntimeMinimum_x86\
Microsoft Visual C++ 2015 Redistributable (x64) - 14.0.24215	14.0.24215.1	Microsoft Corporation		
Microsoft Visual C++ 2015 Redistributable (x86) - 14.0.24215	14.0.24215.1	Microsoft Corporation		
Microsoft Visual C++ 2015 x86 Additional Runtime - 14.0.24215	14.0.24215	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{69BCE4AC-9572-3271-A2FB-9423BDA36A43}v14.0.24215\packages\vcRuntimeAdditional_x86\
Microsoft Visual C++ 2015 x86 Debug Runtime - 14.0.23026	14.0.23026	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{3CB4E2E8-04EB-371A-9433-4CA0D934B260}v14.0.23026\packages\vcRedistD14\debug\x86\
Microsoft Visual C++ 2015 x86 Minimum Runtime - 14.0.24215	14.0.24215	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{BBF2AC74-720C-3CB3-8291-5E34039232FA}v14.0.24215\packages\vcRuntimeMinimum_x86\
Microsoft Visual Studio 2015 Shell (Isolated)	14.0.23107	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{ECFDA13E-A348-315B-820A-603BBCBD7684}v14.0.23107\packages\vs_isoshellcore\
Microsoft Visual Studio 2015 Shell (Isolated)	14.0.23107.10	Microsoft Corporation		
Microsoft Visual Studio 2015 Shell (Isolated) Resources	14.0.23107	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{446D0B70-F98E-39DA-9CB5-4201D05A91C6}v14.0.23107\packages\vs_isoshellres\
Microsoft Visual Studio 2015 Shell (Minimum)	14.0.23107	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{030A67B5-C3A9-37DA-8530-444C320629FA}v14.0.23107\packages\vs_minshellcore\
Microsoft Visual Studio 2015 Shell (Minimum) Interop Assemblies	14.0.23107	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{4443D3F4-A231-35CC-8471-CB60F8A3FE3B}v14.0.23107\packages\vs_minshellinterop\
Microsoft Visual Studio 2015 Shell (Minimum) Resources	14.0.23107	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{7FF53256-7BAF-3EFA-91B4-DB65F37EB5E9}v14.0.23107\packages\vs_minshellres\
Microsoft Visual Studio 2015 XAML Designer	14.0.23107	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{1066A81A-C1E7-384E-9A1F-39D2C25471BD}v14.0.23107\packages\Bliss_Core\
Microsoft Visual Studio 2015 XAML Designer - ENU	14.0.23107	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{E2E81BA0-07B8-36E7-B860-822059039AE4}v14.0.23107\packages\Bliss_LP\enu\
Microsoft Visual Studio Services Hub	1.0.23107.00	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{93CC1063-02A1-4F25-A13A-C351A10D84DD}v1.0.23107.00\packages\vs_vshub\
Microsoft Visual Studio Tools for Applications 2015	14.0.23829	Microsoft Corporation		
Microsoft Visual Studio Tools for Applications 2015 Finalizer	14.0.23829	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{F93E37BD-4053-37CA-A7BB-A5B7450B006C}v14.0.23829\packages\vsta_finalizer\
Microsoft Visual Studio Tools for Applications 2015 Language Support	14.0.23107.20	Microsoft Corporation		
Microsoft Visual Studio Tools for Applications 2015 Language Support	14.0.23107.20	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{85CEB20F-C2D6-3FDC-9A9D-5957CDBBE9E5}v14.0.23107.20\packages\vsta_1score\
Microsoft Visual Studio Tools for Applications 2015 Language Support - ENU Language Pack	14.0.23107.20	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{0343F108-C31B-342F-82C1-C42E84CCAF5E}v14.0.23107.20\packages\vsta_1slp\
Microsoft Visual Studio Tools for Applications 2015 Language Support Finalizer	14.0.23107.20	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{BF6E6074-B8F5-358F-AB6D-0A42C1BF2B24}v14.0.23107.20\packages\vsta_langsfinalizer\
Microsoft Visual Studio Tools for Applications 2015 x86 Hosting Support	14.0.23829	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{11A9EF3E-6616-31B1-82BC-1080366FA34D}v14.0.23829\packages\vsta_hostingcore_x86\
Open XML SDK 2.0 for Microsoft Office	2.0.5022	Microsoft Corporation	20181004	E:\Democracy_Suite_5.5.12.1\EMSPREREQUISITES\OpenXMLSDK2.0ForMicrosoftOffice\
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Realtek High Definition Audio Driver	6.0.1.6117	Realtek Semiconductor Corp.	20181003	C:\ProgramData\30227674-0c52-4f7c-8b78-9d07bca0e400\del1\drivers\Audio_Driver_RT1XX_WN32_6.0.1.6117_A07\RealtekHDAudio\
Roslyn Language Services - x86	14.0.23107	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{6C1985E7-E1C5-3A95-86EF-2C62465F15C3}v14.0.23107\packages\vs_RoslynLanguageServicesResMsi\
Roslyn Language Services - x86	14.0.23107	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{5B47029B-1E62-30FF-906E-694851C22782}v14.0.23107\packages\vs_RoslynLanguageServices\
SQL Server vNext CTP2.0 Common Files	14.0.500.272	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{09CB44D7-348F-4CCB-9389-0D8855D17DAE}v14.0.500.272\x86\sql_common_core_loc_msi\
SQL Server vNext CTP2.0 Common Files	14.0.500.272	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{B5F6E8D7-EEB3-465B-BBE1-6D7D6DEEACB9}v14.0.500.272\x86\sql_common_core_msi\
SQL Server vNext CTP2.0 Management Studio Extensions	14.0.500.272	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{F45F0B6D-91B1-48E8-A49E-9EB23EA9534F}v14.0.500.272\x86\
SQL Server vNext CTP2.0 Management Studio Extensions	14.0.500.272	Microsoft Corporation	20190410	C:\ProgramData\Package Cache\{83712371-F0B7-431E-8A01-AD9AA2CAED7F}v14.0.500.272\x86\
Update for (KB2504637)	1	Microsoft Corporation		
Update for Microsoft Visual Studio 2015 (KB3095681)	14.0.23317	Microsoft Corporation		
WatchGuard Fireware v11.12.1 for Firebox T30_T50 devices		WatchGuard Technologies, Inc.	20190411	
WatchGuard System Manager 11.12.1		WatchGuard Technologies, Inc.	20190411	