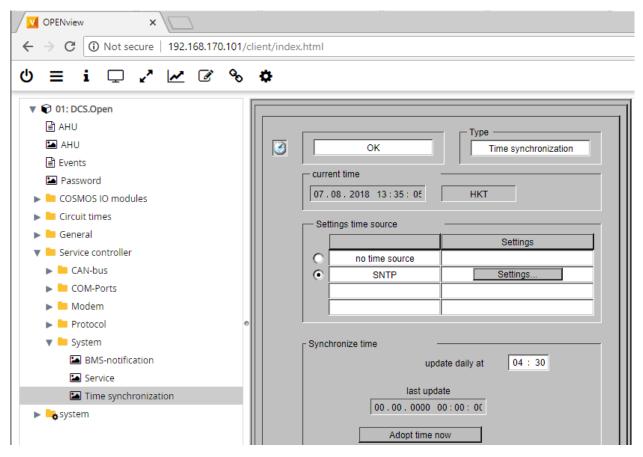
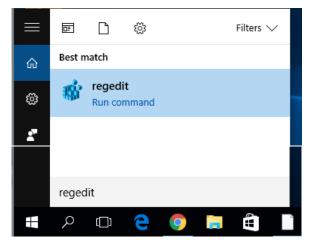
TT180807 - OPENview - Time Synchronization

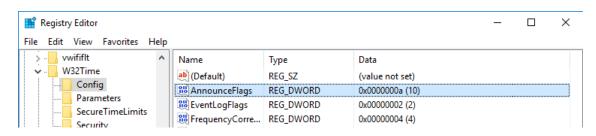
1. OPEN controller use SNTP to synchronize the clock with SNTP server.



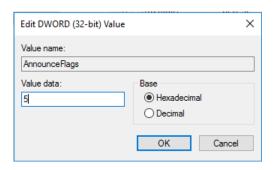
2. You can use SNTP server on the Internet, or you can setup SNTP server on your PC. To setup, click and type "regedit", press "Enter"



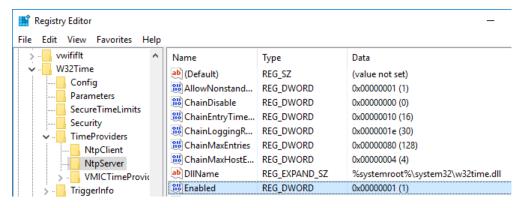
Go to "HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\W32Time\Config". Double click on it



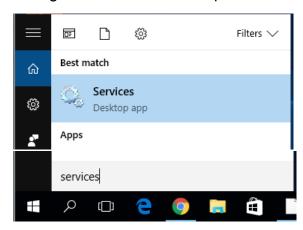
4. Type "5" in "Value Data" and click OK



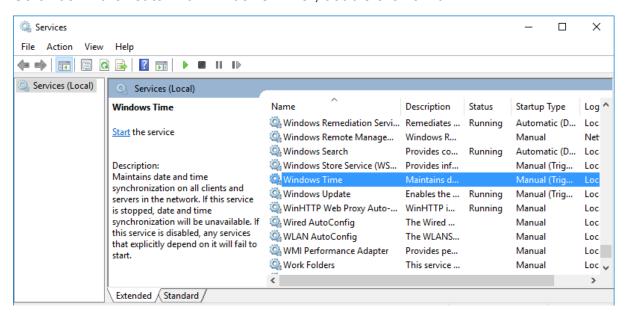
5. Go to "HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\W32Time\ TimeProviders\NtpServer". Double click on "Enabled" and change the value to 1



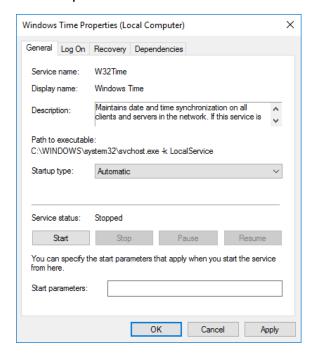
6. Now go to "Services" to setup the "Windows Time" service

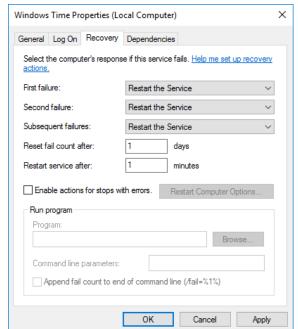


7. Scroll down the list to find "Windows Time", double click on it

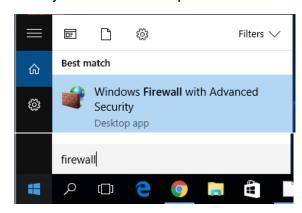


8. Change the "Startup Type" to "Automatic", and click "Start". Click on "Recovery" TAB, change "Subsequent failures" to "Restart the Service", and click OK





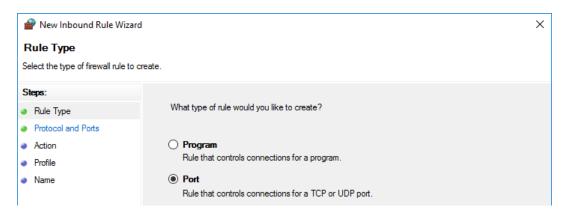
9. Finally we need to setup firewall for inbound UDP port 123, run "firewall"



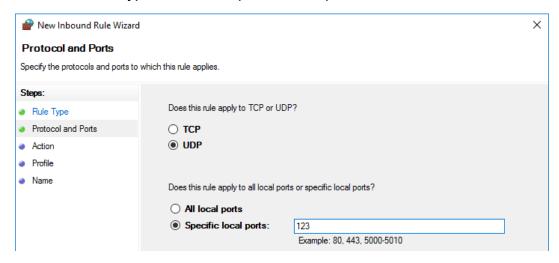
10. Click "Inbound Rules", and click "New Rule..."



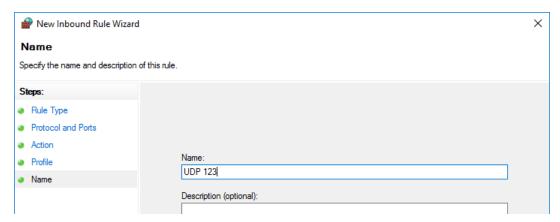
11. Select "Port", and click "Next"



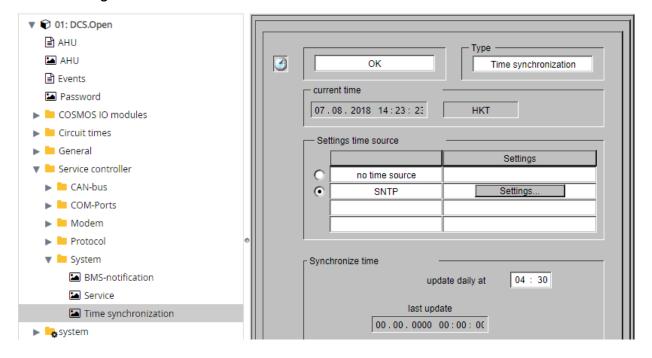
12. Select "UDP", Type "123" for "Specific local ports". Click "Next"



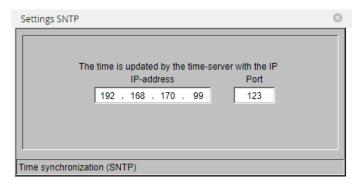
- 13. Click "Next" 2 times
- 14. Type "UDP 123" for the "Name", and click "Finish"



15. Now we setup the controller to synchronize the clock using SNTP. Use Chrome to connect to the controller, click "Service Controller", "System", "Time Synchronization". Select "SNTP" and click "Settings"



16. Type your PC IP address, and port 123. Close the window



17. If the status shows OK, then we've finished the setup. Tick the checkbox for "Update Daily" and it will automatically synchronize the clock at 04:30 (configurable). If you want to synchronize now, click the "Adopt Time Now" button. The "Current Time" will now change, and the "Last Update" will show the last update date/time

