

WATCHMAN Database Synchronization – The Post Office

You can think of your WATCHMAN communication like a post office. The post office manages all of the information that gets synchronized or “replicated” for your program. Every database, including the master database and all the site subscriptions, is connected to the WATCHMAN Data Center and each have their own mailbox. When we setup your replicating database subscription, basically we are giving you the keys to your mailbox.

Periodically, you will head to the post office to check your mailbox to see if there are any new messages from others. While there you also send anything new that you have done. This may be new data that was collected or a new machine that is setup... anything new.

Communication is always bi-directional. Every time you go to the post office you send some message and you pick-up some messages.



Before you head into the field you swing by the post office, and again when you are done for the day you will make a final visit. It is important to check the post office before and after your day. You know your program is important, you are popular, you may get lots of messages.

Your Azima analyst may create some new machines for this plant and that site, update an average baseline for another group, make repair recommendations for some machines at your plant. Periodically, and quite often, that information is sent to the post office and each of those new messages are then delivered to their respective mailboxes. While the analyst is at the post office, he or she checks their own mailbox to see if there are any messages from the sites. That new information is then inserted into the master database.

You start your day, check your mailbox, and receive a new message about a machine. When you get to that machine in the field, there is a “Requested Action” from the analyst asking you to confirm a setup before collecting data. You take your actions, collect your data and then before ending the day, you make your final trip to send and check anything new.

As you can see, it is important to check for messages before starting so you have the latest information about your site while in the field. And then again deliver anything new at the end of the day to send your new data to the analysts. Each time you go, remember, it is bi-directional.

Given we would never expect you to really “travel” to a physical post office, all of this is handled with the WATCHMAN Sync Utility. To check and send messages, just click the WATCHMAN Sync Utility on your TRIO or PC. It will send and receive anything new. The Azima analysts work on the live WATCHMAN system and the Data Center will perform this synchronization step every few minutes. The Data Center operates in order received, so if other sites are replicating ahead of you, your messages are queued. There is never any waiting to send, but there may be several minutes before it is visible on the WATCHMAN Reliability Portal.

Operate at capacity

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