

RE: Communication between remote scripts

Source: <http://coding.derkeiler.com/Archive/Python/comp.lang.python/2004-09/2555.html>

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| In article <MPG.1bb0b7d621a77bc598968c@news2.atlantic.net>,
| secun@yahoo.com says...
| > I have a python script (A) that monitors a process (3rd
| party) on the
| > local machine (Windows).
| >
| > I would like to create a second program on a remote Windows
| computer
| > that receives an update from program A periodically (maybe every 10
| > minutes or so), and tells it everything is running without
| a problem.
| >
| > Can anyone recommend a good (and preferably simple) way for
| two programs
| > to communicate on a network?

| Am I correct in saying that remote objects are not really needed for
| this?

You have several options:

- 1) Email: sounds silly but is a perfectly reasonable solution if you already had email infrastructure on both machines and weren't that bothered about real time.
- 2) UDP heartbeat: see this recipe in the Python Cookbook.
<http://aspn.activestate.com/ASPN/Cookbook/Python/Recipe/52302>
- 3) xml-rpc: see the Python docs.
<http://python.org/doc/2.3.4/lib/module-xmlrpclib.html>
- 4) Pyro (Python Remote Objects). See <http://pyro.sf.net>.
I suspect you don't want this, given your follow-up question. But it will work and is easy enough.
- 5) Straight socket server stuff. Again, python docs.

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<http://python.org/doc/2.3.4/lib/module-socketserver.html>

6) SOAP / DCOM (if you fancy your chances) / CORBA, other acronyms.

Personally, I think xml-rpc is a good way to go for general purpose stuff. But since you're really just after a heartbeat, the UDP solution might be best.

TJG

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