**Subject: How to implement IPC for TheIDE?**
Posted by Klugier on Wed, 14 Sep 2016 20:11:27 GMT
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Hello,

Currently I have several associated file with TheIDE. It means if I click on it in my file explorer it opens TheIDE. The problem here is that evry time it opens new window. I would like to avoid such situation by attaching new file to current TheIDE instance. One of the idea is to make IPC between to process.

For example I have one TheIDE on PID 500. Next TheIDE opens with PID 501. The second instance check whenever the other instance exists. If true sends message to first one with open file message. If it is done the the second instance close immediately without opening GUI.

What would be the best way to implement such mechanism? Sockets - I would be glad if somebody give me idea how to do that.

Sincerely and thanks,
Klugier

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**Subject: Re: How to implement IPC for TheIDE?**
Posted by Zbych on Thu, 15 Sep 2016 18:55:03 GMT
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Things that come to my mind:
1. named pipes
2. clipboard - it sounds stupid, but might be the easiest way.
3. send message to the other process (WM_COPYDATA, WM_USER?) - but it is platform dependent.

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**Subject: Re: How to implement IPC for TheIDE?**
Posted by omari on Fri, 16 Sep 2016 22:14:27 GMT
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Hi,
In bazaar, there is a package called "Uniq", with it you can test ig another instance exists, and use existing one if any.
Give it a try.

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**Subject: Re: How to implement IPC for TheIDE?**

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# Posted by Klugier on Sun, 18 Sep 2016 20:21:25 GMT

Hello Omari,

Thanks for the tip. Named pipes used in Uniq is probably what I am looking for. But, I would like to see Mireks opinion about this topic before I start implement anything.

Sincerely,
Klugier