



LazyWinAdmin

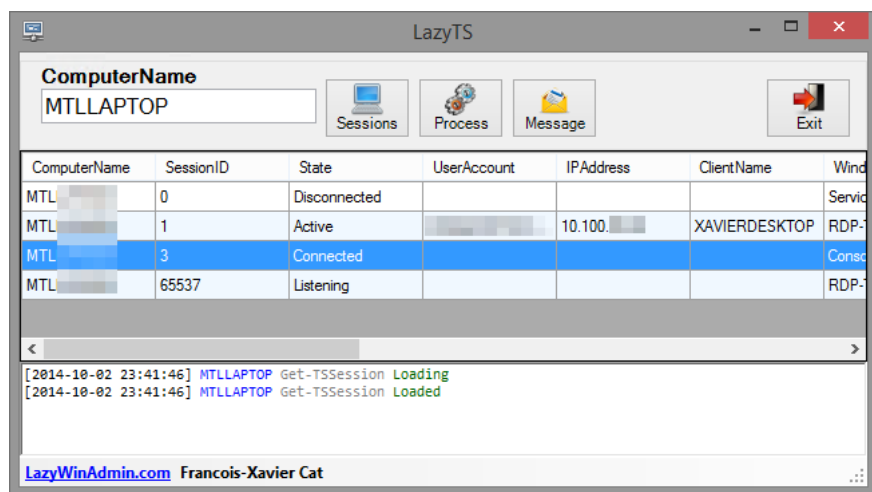
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LazyTS

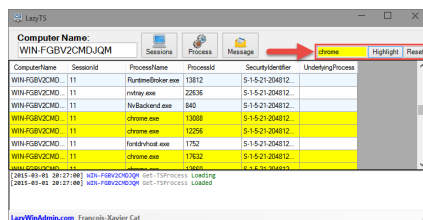
LazyTS is a PowerShell script to manage Sessions and Processes on local or remote machines. It allows you to **Query/Disconnect/Stop session(s)**, **Query/Stop process(es)** and **Send Interactive message** to one or more sessions.

This tool is using the module PSTerminalService which relies on the Cassia .NET Library. I used [Sapien PowerShell Studio 2014](#) to which make life easier if you want to start building WinForms tools and add PowerShell code.



Version

- 1.1 Update
 - Add support for RDP Shadow (View and Control)
 - Add small highlighting util
 - Fix some minor bugs



Highlighting util



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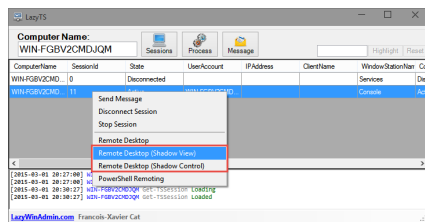
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TAGS



Remote Desktop (Shadow View and Control)

- 1.0 Initial version
 - Features
 - Session Management: Query/Disconnect
 - Stop
 - Processes Management: Query/Stop
 - Message : Send message to Session(s)

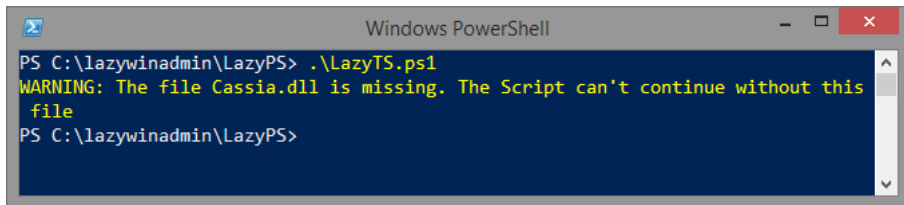
Requirements

- PowerShell 3.0
- Cassia Library (included in the download)

LazyTS is relying on the Cassia .NET Library (A DLL file). This file need to be present in the same directory as the script (Either when you use the PS1 or EXE file)

Of course you also need the appropriate permission on the remote machine to be able to manage it.

If the Cassia.dll is not present, the script won't start:



Download

- [TechNet Gallery](#)
- [GitHub: LazyTS Repository](#)

Features

Querying session on local or remote machines

After entering the **ComputerName**, click on the button **Sessions**

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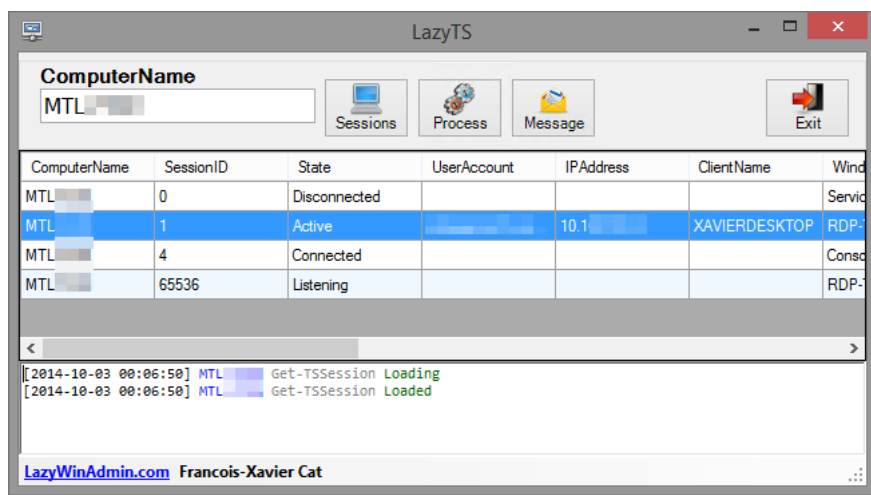
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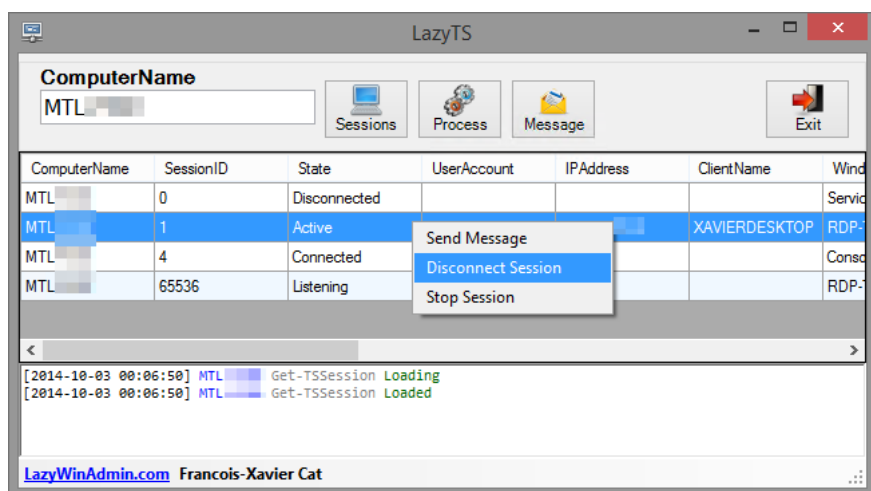
All the scripts provided are based on my views/usage scenarios. I do not provide any warranty or work your environment. You need to be responsible in your production.

The author of this blog is not responsible if there is any issue given in this blog. You need to be responsible to your environment. **USE THEM AT YOUR OWN RISK.**

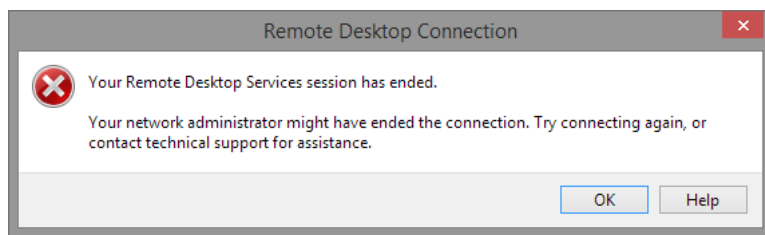
Disconnecting Session(s)

Select one session or multiple sessions and right click, click on **Disconnect Session**

This will only disconnect the user, its session State will become "disconnected", but will remain opened on the host.



When getting disconnected, the user will get the following window



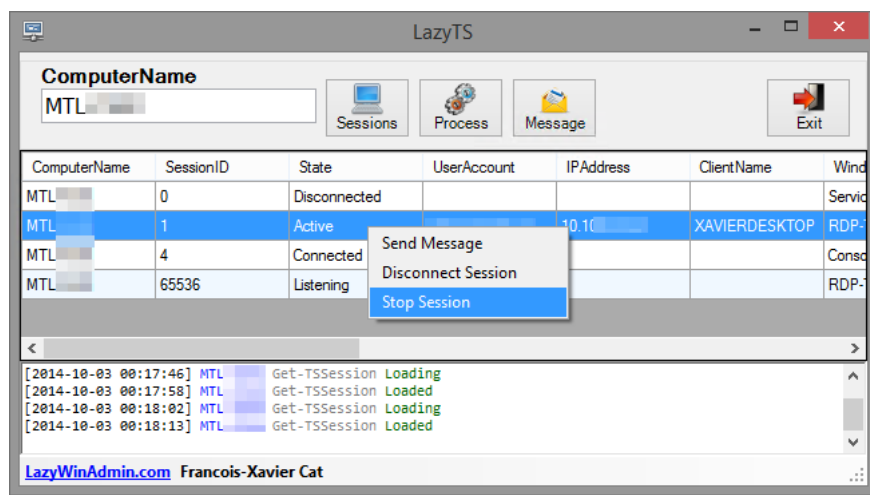
Your Remote Desktop Services session had ended.

Your network administrator might have ended the connection. Try connection again, or contact technical support for assistance

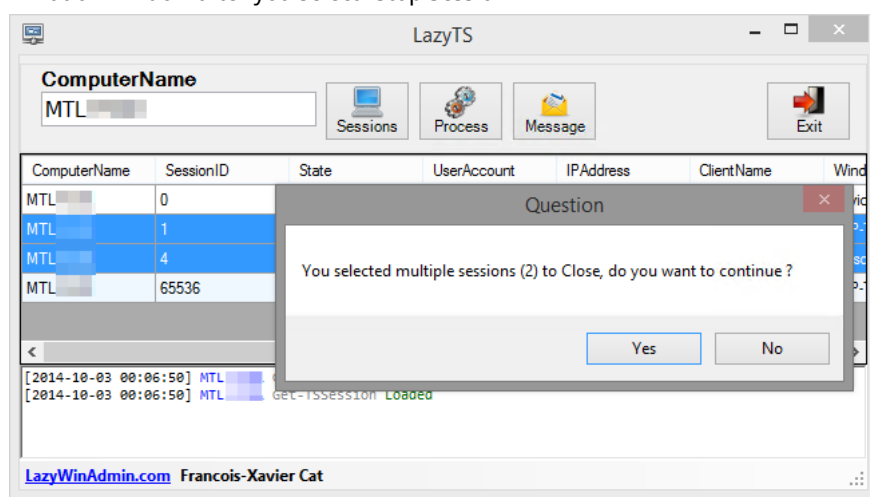
Stopping a Session(s)

Select one session or multiple sessions and right click, click on **Stop Session**

This will close the session of the user without warning. **Any current work in progress will be lost.**



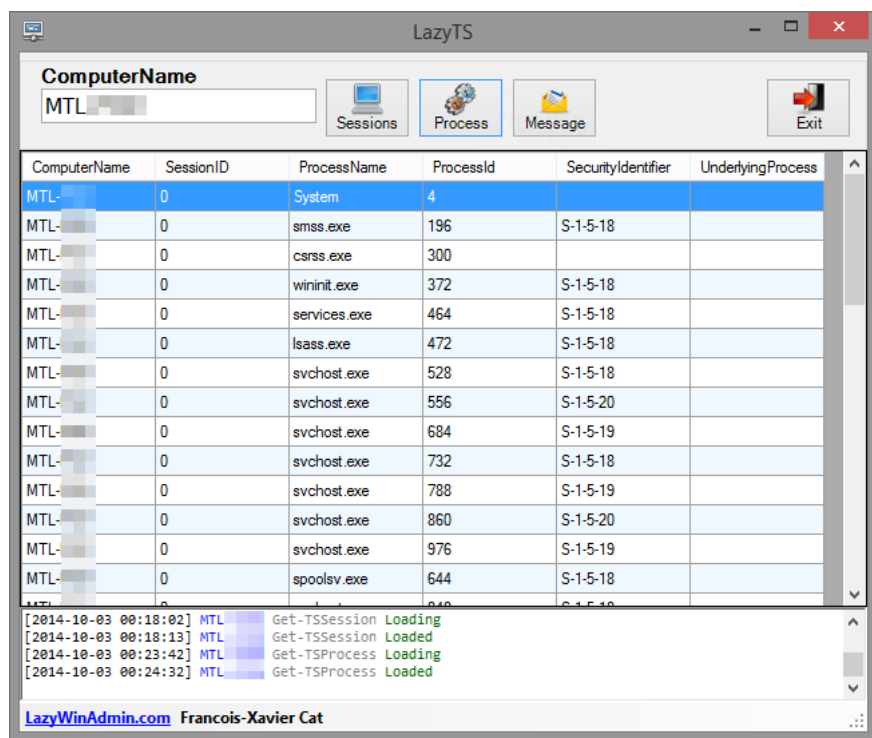
Here is the confirmation window after you select "Stop Session"



Querying Processes

After entering the **ComputerName**, click on the button **Process**.

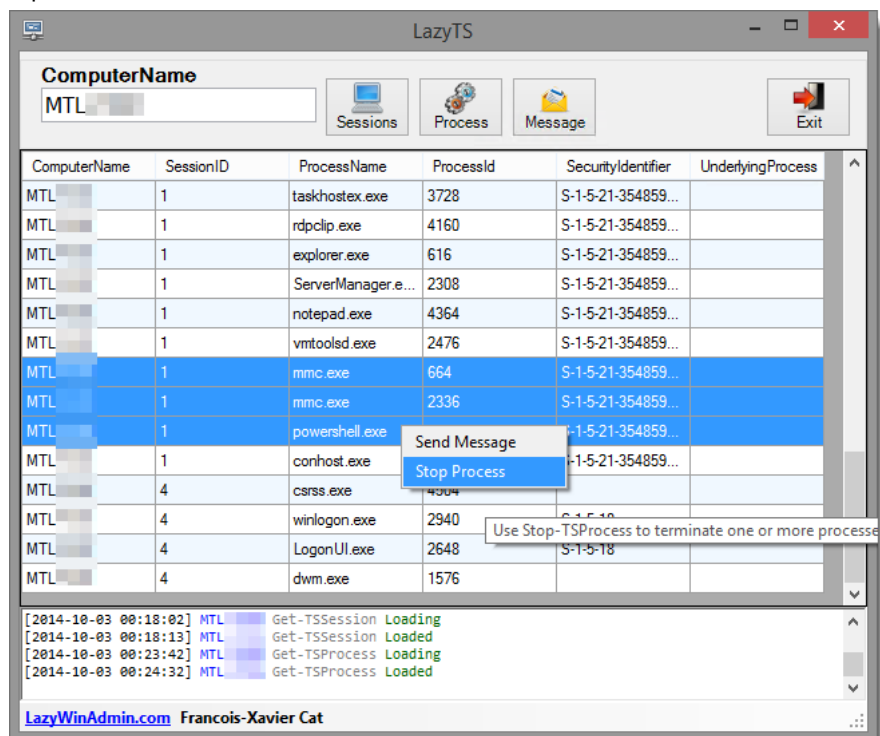
This will list all the running processes (for all sessions)

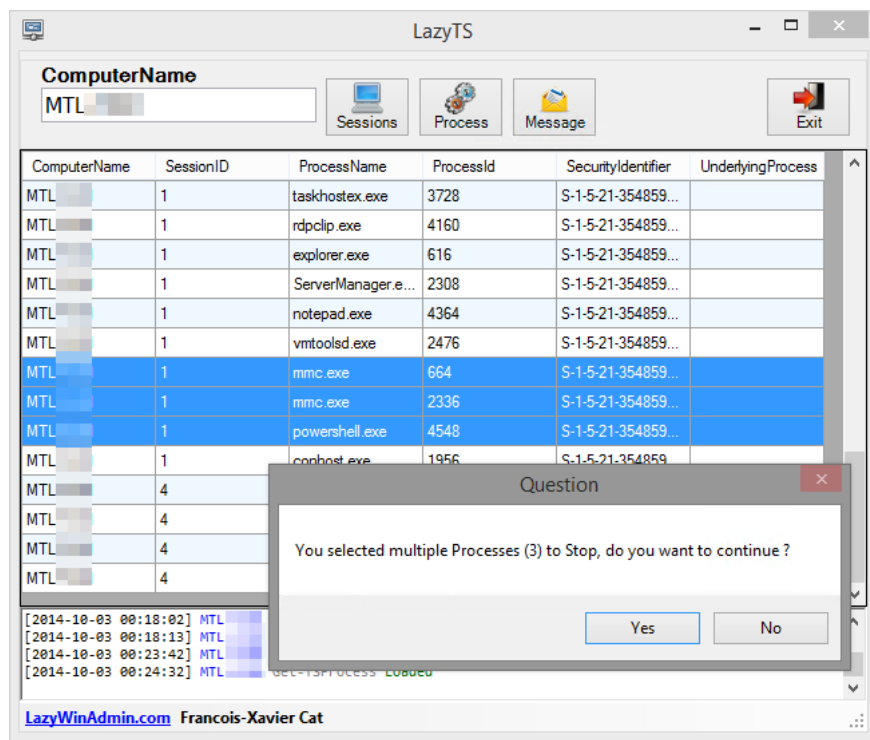


Stopping Process(es)

Select one process or multiple processes and right click, click on **Stop Process**

This will Stop the process(es) selected.





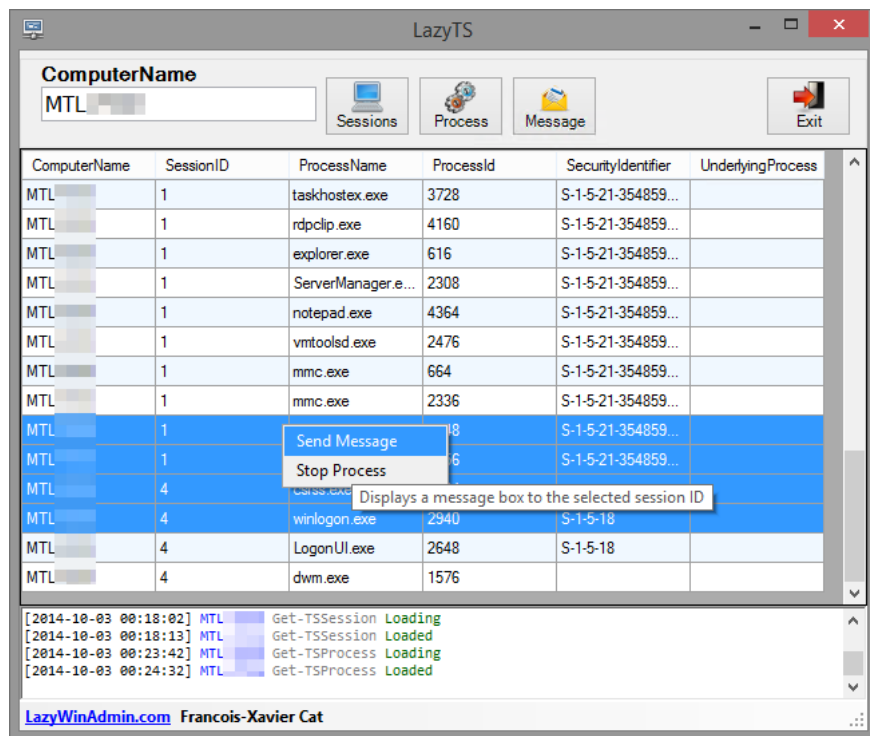
Confirmation Window

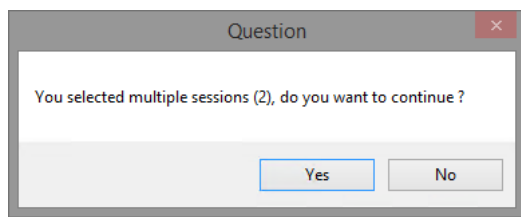
Sending Message(s)

After entering the **ComputerName**, click on the button **Message**.

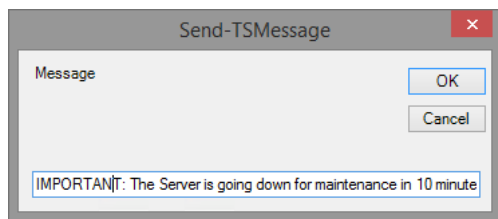
Note that you must select one session or one process in order to use this option (the script need to know which session(s) it should send the message to).

This will Send a message to the selected session. If multiple sessions are selected only one message will be sent to each session.





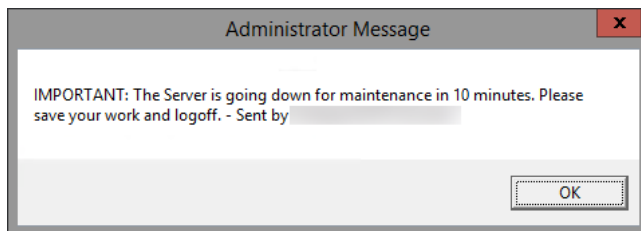
Confirmation windows



Message to send

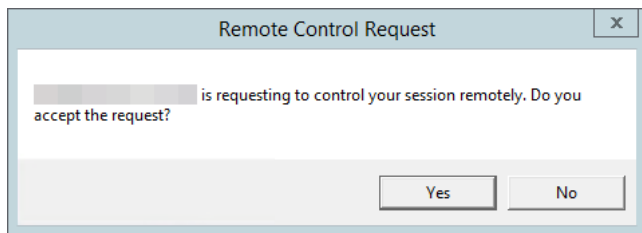
Default message: *"IMPORTANT: The Server is going down for maintenance in 10 minutes. Please save your work and logoff."*

Example of message received by each session selected



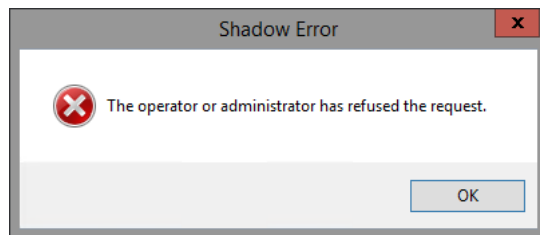
Remote Desktop: Shadow

When right clicking on a row you'll have the possibility to open a Shadow RDP on a selected Session ID. After you request to View or Control the session, the user will get this message



"<Domain>\<samaccountname> is requesting to control your session remotely. Do you accept the request"
Message showed to the user when trying to control his session id.

If the user deny the request, you'll get the following message

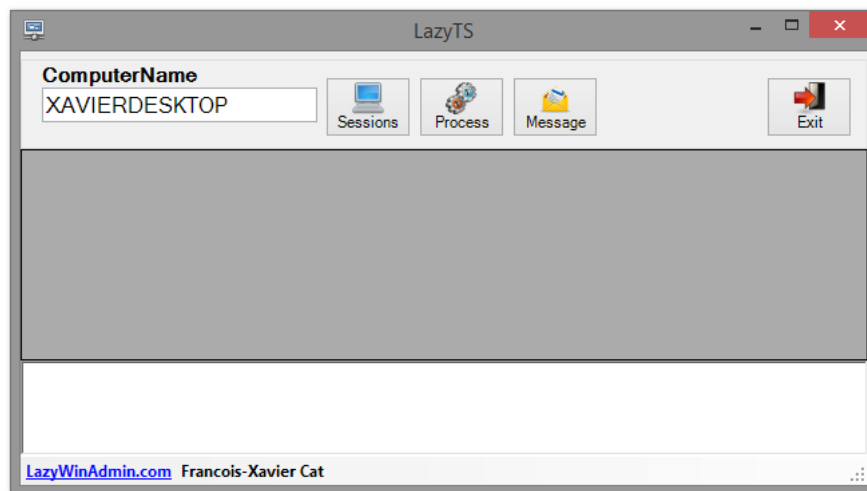
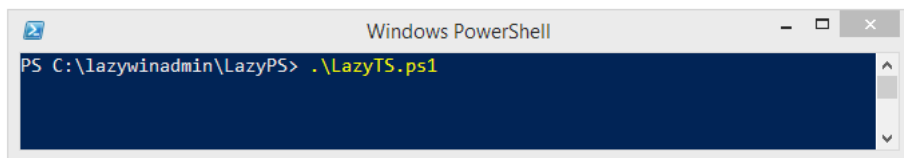


"The operator or administrator has refused the request"

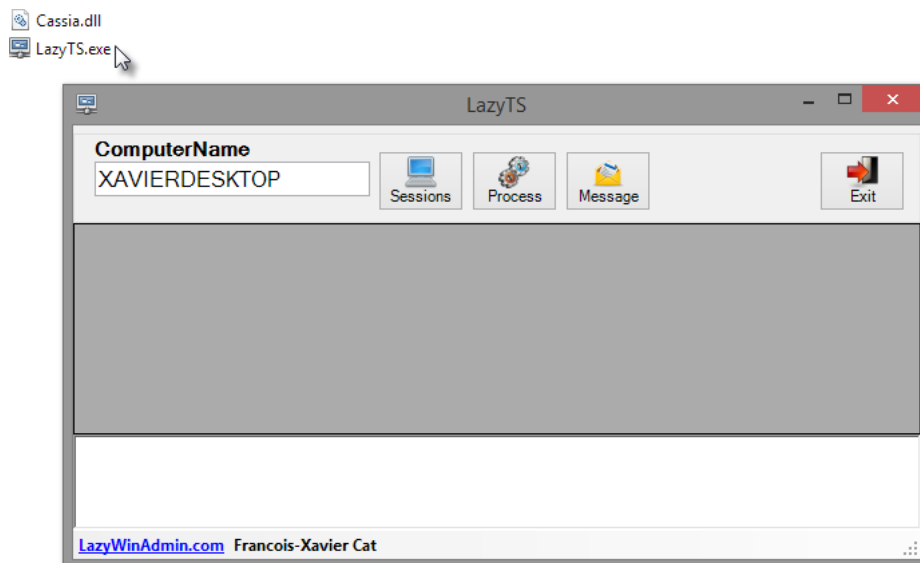
Using the tool

Launching the tool from the PS1

Cassia.dll
LazyTS.ps1

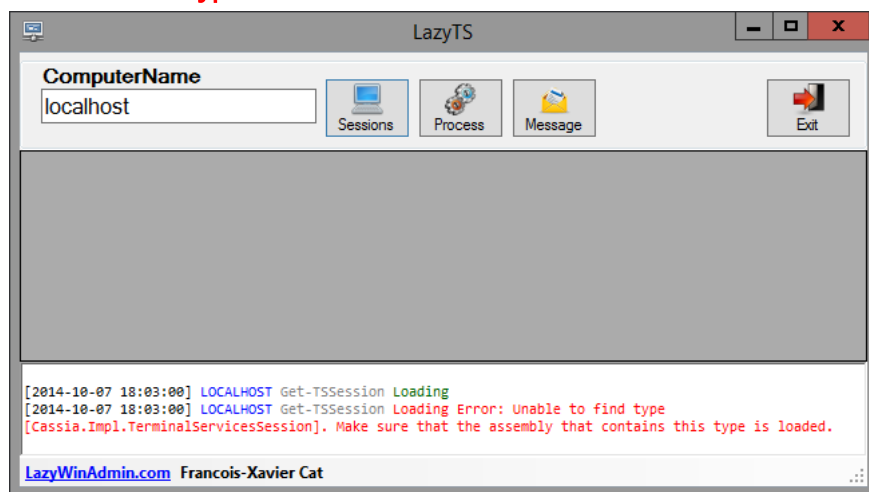


Launching the tool from the EXE



Frequent issues

Loading Error: Unable to find type [Cassia.Impl.TerminalServicesSession]. Make sure that the assembly that contains this type is loaded.



Verify that you have at least PowerShell version 3.0

```

Administrator: Windows PowerShell

PS E:\LazyWinAdmin\LazyTS> $host

Name           : ConsoleHost
Version        : 5.0.9814.0
InstanceId      : e4350a22-a68c-43d4-bfda-02ec9659117f
UI             : System.Management.Automation.Internal.Host.InternalHostUserInterface
CurrentCulture  : en-US
CurrentUICulture : en-US
PrivateData     : Microsoft.PowerShell.ConsoleHost+ConsoleColorProxy
IsRunspacePushed : False
Runspace       : System.Management.Automation.Runspaces.LocalRunspace

PS E:\LazyWinAdmin\LazyTS> $psversiontable

Name            Value
----
PSVersion       5.0.9814.0
WSManStackVersion 3.0
SerializationVersion 1.1.0.1
CLRVersion      4.0.30319.34014
BuildVersion    6.4.9814.0
PSCompatibleVersions {1.0, 2.0, 3.0, 4.0...}
PSRemotingProtocolVersion 2.2

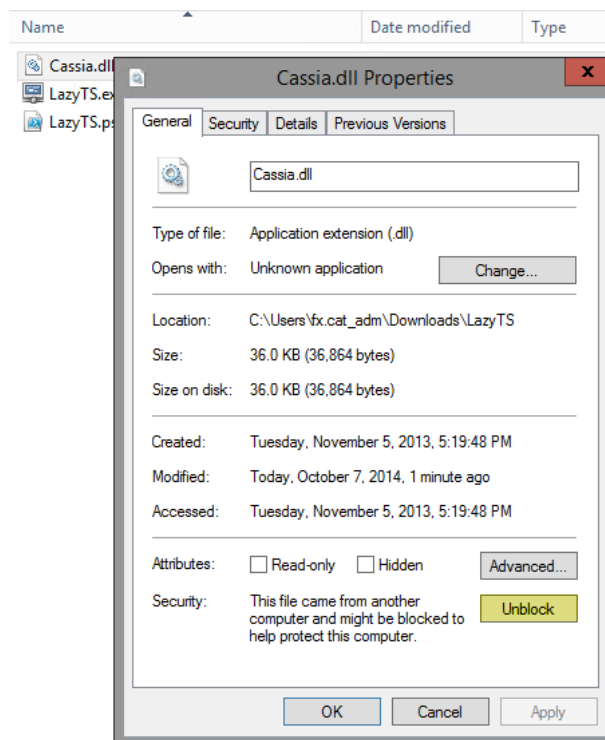
PS E:\LazyWinAdmin\LazyTS>

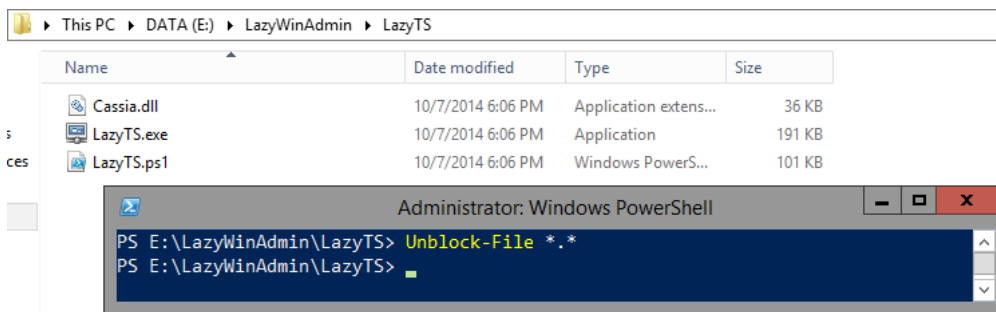
```

Verify and Unblock the files if needed

When you download file from internet they are blocked by default.

Unblock the zip before you extract the content or unblock each files





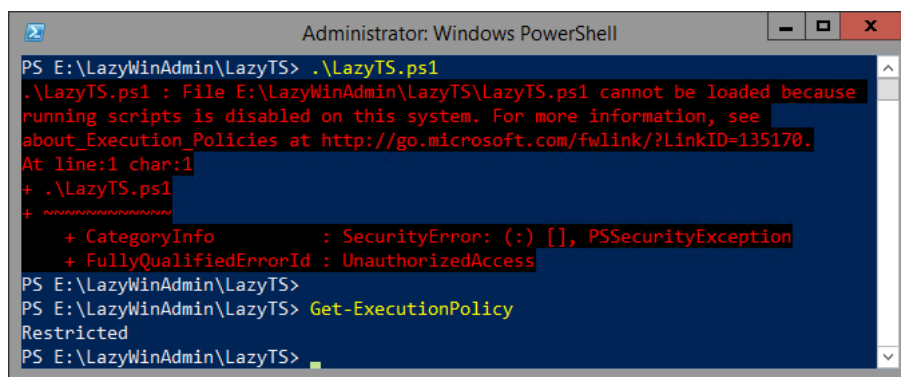
LazyTS.ps1 cannot be loaded because running scripts is disabled on this system. For more information, see about_Execution_Policies at <http://go.microsoft.com/fwlink/?LinkID=135170>.

Verify your PowerShell Execution Policy

If you are using the ExecutionPolicy 'Restricted', you might get this error.

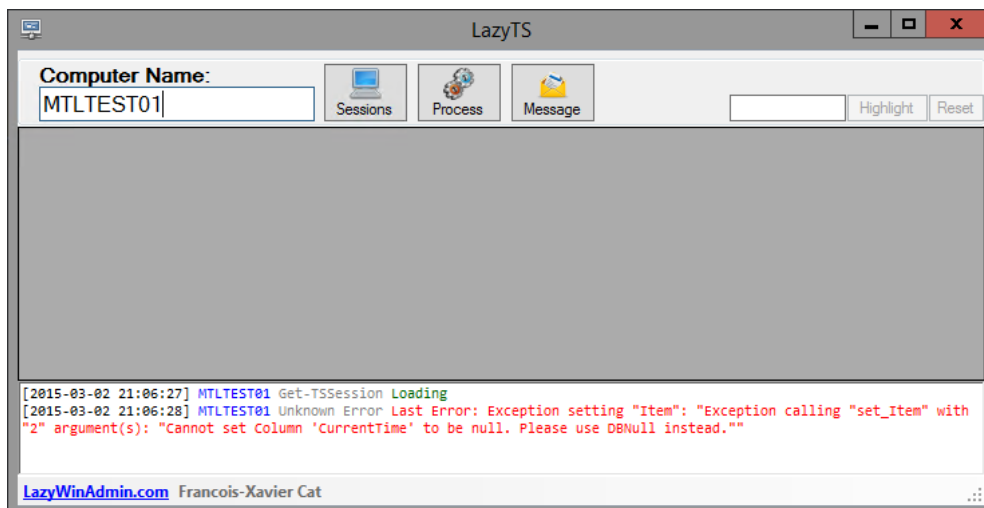
See the link below to help you choose the appropriate Policy. (in my case I user RemoteSigned)

<http://technet.microsoft.com/en-us/library/hh847748.aspx>



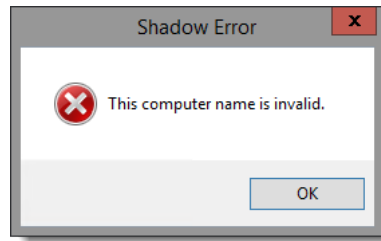
"Exception calling 'Set_Item' with '2' argument(s): 'Cannot set Column 'CurrentTime' to be null. Please use DBNull instead.'"

Solution: This is fixed in the last update of v1.1. Download from [TechNet](#) or [GitHub](#)



"This computer name is invalid"

Solution: This is fixed in the last update of v1.1. Download from [TechNet](#) or [GitHub](#)



This Computer name is invalid

 Recommend this on Google

11 comments:

 **Sam** Tuesday, November 4, 2014 at 3:46:00 PM EST

Great tool! Would it be possible to download the source files (i.e. the psf file and other associated files)? I use Sapien PowerShell Studio 2014 and would like to add a few custom commands to LazyTS for my own environment.

Thanks

[Reply](#)

[Replies](#)



Francois-Xavier Cat Wednesday, November 5, 2014 at 7:55:00 PM EST

Thanks for your comment Sam, just curious, what type of commands do you want to add ?



Smiles2u Friday, September 4, 2015 at 4:59:00 PM EDT

I would be interested in this as well. I would like this so I can try to figure out a way to have it query Multiple Servers and search for \$UserName so kind of backwards of what it does now.

Wonderful work btw!! You go it going on! killing my self here trying to reverse engineer to customize for my need. Love it anyway, don't have much of a need to query just one server so want to customize it so I can use it :)

Kudos Francois Kudos. And thank you for sharing your hard work so we can use and even more importantly Learn from you!!!

[Reply](#)

 **Sam** Thursday, November 6, 2014 at 1:19:00 PM EST

We have a particular legacy application in our environment that causes a lot of issues, which we usually have to fix by deleting individual user profiles from our RDS servers. I already have a tool that I made in Powershell Studio that I use to do this, but I'd like to have all of my RDS tools in one place. I also have a few other scripts that I use for various maintenance tasks. For example, I'd like to expand the Message functionality to include the ability to disable new logons, and to reboot the server at a specific time, so that when I'm going to perform maintenance on a server, I can disable new logons, ask users to log out and back in again, and reboot the server.

[Reply](#)



Sawyer Lef Thursday, January 29, 2015 at 1:02:00 PM EST

Awesome tool! Any way to display more than one server?

[Reply](#)

[Replies](#)



Francois-Xavier Cat Thursday, January 29, 2015 at 1:34:00 PM EST

Thanks for your comment.

The tool does not support multi server at the moment.

Would it be a big plus ? how many server would you typically query ?



Damian Stalls Monday, March 16, 2015 at 5:21:00 PM EDT

Multiple servers would be a HUGE plus. I have 10 - 20 servers that I need to manage. MS default GUI (Server Manager) is useless as you can only interact with a single user at a time.



Francois-Xavier Cat Monday, March 16, 2015 at 9:37:00 PM EDT

Hi Damian,

Alright, I will look into this. Not sure how to proceed since I don't want the GUI to be slow by querying 20 servers at the same time.

Thanks for your feedback

Anonymous Monday, March 30, 2015 at 5:36:00 PM EDT

I'll second the multiple servers request. If it could be an option, thinking input file, I think a slow query should be expected. Have a couple thousand servers here and would love to have an option like this. I love your tool for a quick server check but currently using a qwinsta output (which, as expected, takes a good while to run) to see what the environment looks like.

[Reply](#)



Алексей Опрышко Wednesday, August 12, 2015 at 9:12:00 AM EDT

Hi, Francois! Great job, but... one more request for multiple servers. It will be awesome to see all my TS servers in one GUI.

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[Replies](#)



Francois-Xavier Cat Wednesday, August 12, 2015 at 9:37:00 AM EDT

Thanks for the feedback!

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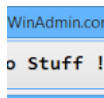
[PowerShell - Get a SubString out of a String using RegEx](#)

Last week one of my colleague asked me if I could help him with some Regular Expression (Regex) to select some text inside a Strir



[PowerShell - Read an Excel file using COM Interface](#)

Last week, I worked on a small PowerShell script to read a custom excel file sheet with a lot of information in different columns an



[PowerShell Studio 2012 - WinForms - Creating a basic GUI \(Video\)](#)

The following post will demo how to create a basic Graphical User Interface with SAPIEN PowerShell Studio 2012. Update: See also



[PowerShell - Get a list of my domain Organizational Units](#)

Quick post, last week my coworker Andrey needed to list all the Organization Units in the domain by Canonical Name. I thought sh

[Powershell - Monitor Active Directory Groups membership change](#)

UPDATE: [2013/11/28] - Version 1.6 - [UPDATE] PowerShell - Monitor and Report Active Directory Group Membership Change [2013/10/13] - Ve

info@lazywinadmin.com . Powered by [Blogger](#).