Introducing:

Server Maestro

A new productivity software solution from Everest Software International

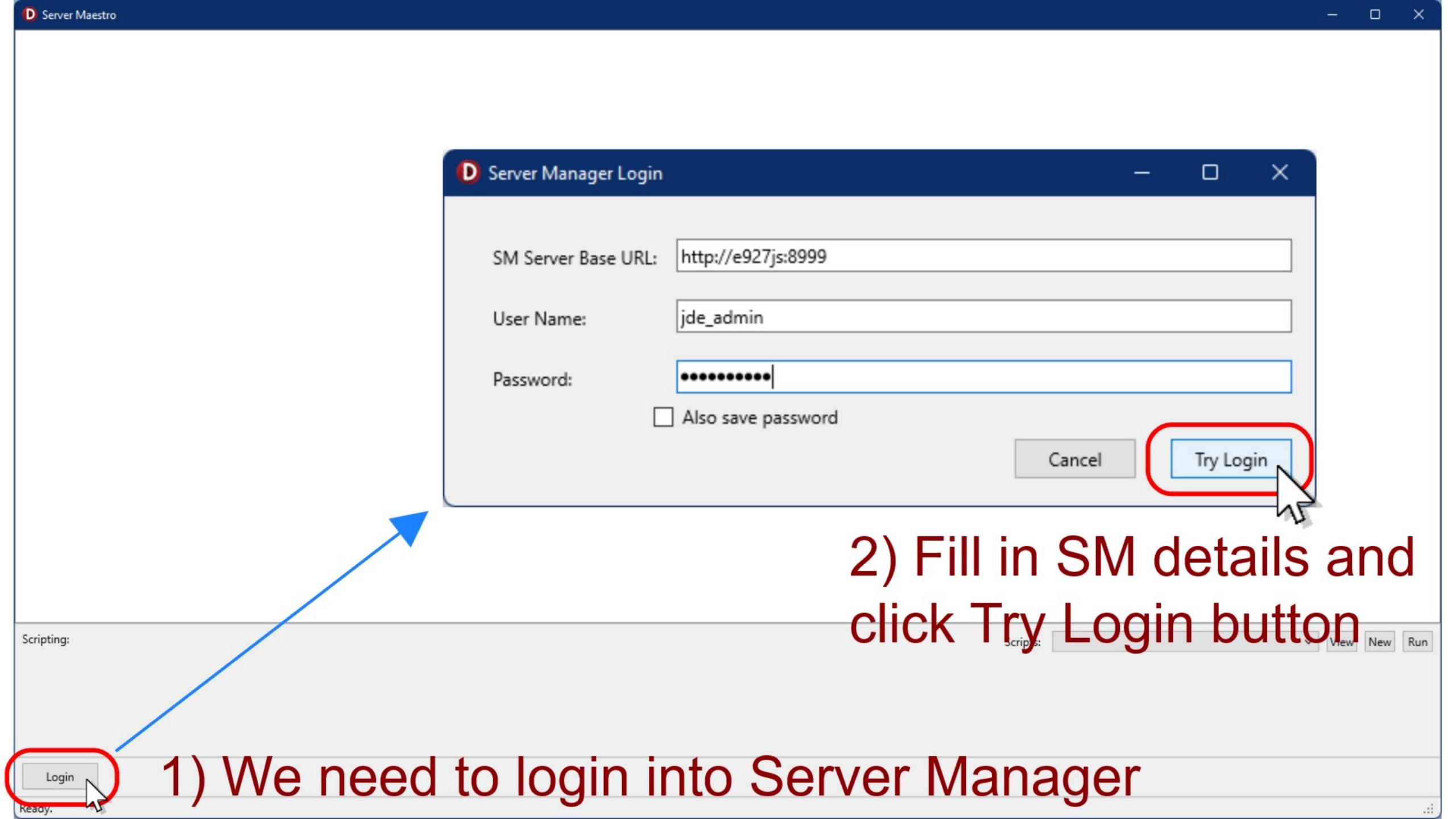January 2023 (celebrating 20 years in business)

Server Manager is a great default management tool shipped with JDE, which allows controlling and monitoring all JDE servers, but it's rather laborious to operate and for long series of manual steps can be error-prone.

This solution provides a super-layer above JDE SM to make operations quicker and easier, and very importantly, to allow executing series of steps as a single reusable script that can be run with a single click.

Next, let's see it in action.

Working hard to make your work easy!

D Server Maestro

D Server Manager Login

SM Server Base URL: http://e927js:8999

User Name: jde_admin

Password: ●●●●●●●●●●

☐ Also save password

Cancel | Try Login

Scripting: Scripts: View | New | Run

2) Fill in SM details and click Try Login button

Login

1) We need to login into Server Manager

Ready.

[default]

☐	**DEP**	**e927ds** E927DS.ESI2.local (depserver) / (9.2.7.1)	**STOPPED**
☐	**ENT**	**e927es** E927ES.ESI2.local (entserver) / (9.2.7.1)	**RUNNING**
☐	**AIS**	**AIS7004DVinst** E927JS.ESI2.local (restserver) / (9.2.7.2)	**RUNNING**
☐	**JAS**	**JAS7003DVinst** E927JS.ESI2.local (webserver) / (9.2.7.2)	**RUNNING**

Server list known to SM is displayed, with colour-coded status to the right of each server / instance.

Scripting: ⌄   Scripts: ⌄   View   New   Run

Login

Server Maestro

[default]

☐	**DEP**	e927ds E927DS.ESI2.local (depserver) / (9.2.7.1)	**STOPPED**
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Multiple servers can be checked

Single servers can be selected

Right-click pop-up menu
offers a few usual options

StartChecked
StartSelected
StopChecked
StopSelected

This list is refreshed every 10s

Scripting options are available in this pane, let's create a new script now

Scripting:

Scripts: ▢ | View | New | Run

Login

Server Maestro

[default]

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☐	ENT	**e927es** E927ES.ESI2.local (entserver) / (9.2.7.1)		**RUNNING**
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2) Stop Action assumes there will be a list of target servers. These are added by double-clicking the servers above, one by one.

3) This is immediately reflected in the text of the script below

4) Note that WAIT actions make the tool wait for the previous operation to complete, so the final script will be peppered with waits.

Scripting:

Scripts: [▼] View New Run

Stop

{"sms":[{"stop":["AIS7004DVinst","JAS7003DVinst"]}]}

Save

Wait

StartOver

Start

Cancel

Login

1) Actions are available on the left, that's where we start by clicking Stop button

Begin new action - STOP

[default]

☐	DEP	e927ds E927DS.ESI2.local (depserver) / (9.2.7.1)	STOPPED
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☑	AIS	AIS7004DVinst E927JS.ESI2.local (restserver) / (9.2.7.2)	RUNNING
☐	JAS	JAS7003DVinst E927JS.ESI2.local (webserver) / (9.2.7.2)	RUNNING

Finally, we want to save the script

Name Prompt

New script name (no spaces, no special characters):

RestartAllDVServers

Cancel   Ok

Which will prompt us for a name

Scripting:

Scripts: [▼] View New Run

```
{"sms":[{"stop":["AIS7004DVinst","JAS7003DVinst"]},"wait",{"stop":["e927es"]},"wait",{"start":["e927es"]},"wait",{"start":["JAS7003DVinst","AIS7004DVinst"]}]}
```

Stop   Wait   Start   Login

O

Save
StartOver
Cancel

Begin new action - START

[default]

☐	DEP	**e927ds** E927DS.ESI2.local (depserver) / (9.2.7.1)	STOPPED
☐	ENT	**e927es** E927ES.ESI2.local (entserver) / (9.2.7.1)	RUNNING
☑	AIS	**AIS7004DVinst** E927JS.ESI2.local (restserver) / (9.2.7.2)	RUNNING
☐	JAS	**JAS7003DVinst** E927JS.ESI2.local (webserver) / (9.2.7.2)	RUNNING

The new script is added to the list, once saved

Scripting: [▾]   Scripts: RestartAllDVServers [▾] View New Run

And we can now execute it, by clicking on the Run button

Login

Server Maestro

[default]

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☐	**ENT**	e927es E927ES.ESI2.local (entserver) / (9.2.7.1)		**RUNNING**
☑	**AIS**	AIS7004DVinst E927JS.ESI2.local (restserver) / (9.2.7.2)		**RUNNING**
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All servers, as per the script we have created,
will be running at the end of this script

And this script is saved and is now
available to us to run at will in the future

Scripting:

Scripts: RestartAllDVServers ⌄ | View | New | **Run**

Stop	We have [7] steps to run	Save
Wait	Step [0] is [STOP] Step [1] is [WAIT]	StartOver
Start	Step [2] is [STOP] Step [3] is [WAIT] Step [4] is [START]	Cancel

| Login |

<u>To do:</u>
 - SM is not bullet-proof and operations may fail sporadically for no reason, so an automatic confirmation of the desired status and a retry of the previous failed Action may be needed.
 - Monitoring can be done on a separate tab, with user counts, etc.
 - Additional platforms: Linux? MacOS?
 - Subject to user feedback, perhaps much more ;-)

Note that there are dependencies: if SM is down, this would of course not work. And if SM is unable to start or stop a particular server for any reason, these operations would naturally fail here as well. The same with server run-time metrics.

Yet, if SM is up and well, this solution will prove indispensable: it will allow admins do the same work in a small fraction of the time they would otherwise have to spend clicking through SM. And it will also eliminate all manual errors for long series of steps that need to be executed in a particular sequence.

Questions? Suggestions? - please email us directly, using the address on our website