



JRE TRANSITION FOR SUPERVISORS FROM ORACLE TO AZUL

Frequently Asked Questions

May 16, 2024

1. What is happening and why?

Tridium is migrating Supervisor and Workbench to a new Java vendor to ensure complete alignment across our product portfolio and to drive further economies of scale. The move is consistent with other Java-related product development businesses after Oracle changed its pricing model for its Java Runtime Engine (JRE) to a much more restrictive and expensive per-user licensing scheme. [Gartner estimates 80% of the Java market will move to Oracle alternatives by 2026.](#) Tridium's migration to Azul will ensure that we can continue to deliver upon our release commitments to the Niagara Community in a secure, timely and cost-effective manner.

Azul provides an open-source distribution of the Java Development Kit that is engineered to the same standards and verified with the same Java Card Technology Compatibility Kit (TCK) test suite as the Oracle Java Runtime Engine (JRE). For this reason, the migration from one JRE to another is relatively straightforward. However, it is important that the transition be made in a timely, well-documented way:

- New Azul features have already been added to all Supervisor and Workbench models for Niagara versions 4.10u8 and 4.13u3, scheduled for release May 24, 2024.
- After July 15, 2024, a Supervisor running a Niagara version that uses the Oracle JRE will require a LEGACY-JRE software option. (See Question 5 for further context and explanation.)
- Workbench licenses will need to be refreshed to run new versions of Niagara but otherwise will remain unaffected.

2. When is this transition going to happen?

On May 24, 2024, Tridium will release Niagara versions 4.10u8 and 4.13u3. These will only include the Azul JRE. From May 24 to July 15, Tridium is allowing Niagara Partners a transition period to adapt to this change.

As usual, we anticipate that partners will use the weeks after this new Niagara software release to prepare their branded offerings and deliver them to customers. To help partners accommodate any special circumstances around this JRE migration, we've added about 6 weeks additional time before enforcing the necessary license changes. We



understand that customers will sometimes want their Supervisors to run Niagara Versions earlier than the latest release—thus earlier than 4.10u8 and 4.13u3. In these situations, partners can add the software option that covers the Oracle JRE licensing.

From July 15, 2024, all Niagara platforms will use Azul JRE which is already in use on controller platforms JACE® 8000, JACE® 9000 and Niagara Edge® 10.

To summarize:

- From July 15, 2024, all newly purchased licenses will only run versions at and above Niagara 4.10u8, 4.13u3.
- From July 15, 2024, any Supervisor designated to run legacy Niagara versions must have a license that includes the additional LEGACY-JRE software option. (See Question #5 for more details.)

3. As an OEM, what do I need to do?

Review the details of this JRE migration in this FAQ document and reach out to Tridium with any questions.

Prepare to release 4.10u8 and 4.13u3 as soon as possible so that your customers do not need to add the LEGACY-JRE software option to your Supervisor licenses.

Ensure all DEMO licenses are refreshed prior to updating to Niagara 4.10u8 or 4.13u3 or beyond.

4. What is going to happen to my existing Supervisor and Workbench licenses?

All existing Supervisors and Workbench instances will continue to operate as expected. Starting on July 15, 2024, and following a refresh of your license, you will notice that the model on your Supervisor license includes the prefix "LEGACY-" and the license also includes the new Azul JRE features.

The "LEGACY-" prefix denotes that they will run legacy versions of Niagara – and that they represent a release no longer available for sale.

5. Why is the LEGACY-JRE software option offered? When is it necessary?

Tridium will be paying Oracle JRE fees for all Supervisor licenses sold up to and including July 14, 2024. To protect our customers from any Oracle Licensing non-compliance issue and related penalties, anyone that purchased their Supervisor license on or after July 15, 2024, will not be able to use that license to run Niagara versions earlier than 4.10u8 and 4.13u3 by default. They can opt to enable their Supervisor to run earlier Niagara Versions by purchasing an additional software option that covers



Oracle JRE licensing. This provides the necessary flexibility to handle special circumstances outside the normal software updating schedule outlined in Tridium's Maintenance Policy. The table below lists when the LEGACY-JRE option is needed, as well as which Niagara versions are supported today.

Niagara Supervisor Version	Do I need the LEGACY-JRE software option?	Is this version supported by Tridium?
4.13u3	No	Yes - from May 24,2024 (release date)
4.13u2 and earlier	Yes	Support ends May 23, 2024
4.10u8	No	Yes - from May 24,2024 (release date)
4.10u7 and earlier	Yes	Support ends May 23, 2024
4.12uX	Yes	Support ended Aug 4, 2023, when 4.13 was released
4.11uX	Yes	Support ended Oct 6, 2022, when 4.12 was released
4.9uX	Yes	Support ended Mar 16, 2021, when 4.10 released

6. What is changing with my workbench/Demo licenses? Do I need to add the LEGACY-JRE option to Workbench to allow me to work with older versions of Niagara?

There are no changes required for Workbench demo models at this time. Existing SUP-DEMO models contain features for both the old JRE and new JRE. You can continue to use Workbench demo models as you did prior to this change.

7. Are controllers such as JACE 8000/9000, Edge-10 or other Niagara embedded controllers affected by this change?

No. All Tridium controllers are unaffected by this change, as they already use the Azul JRE. Portability embedded controllers 'Powered by Niagara' have their JRE supplied by the manufacturer. Please contact your device manufacturer for confirmation of the JRE supplier.

8. I just refreshed my license and noticed the license model now has the prefix 'LEGACY-'. Is that correct?

Yes. We've made this change to denote your capability to run legacy (unsupported) versions of Niagara that were released prior to May 24, 2024.



9. Can my existing licenses with the new LEGACY- model continue to be upgraded to run the latest versions of Niagara with the new JRE?

Yes. All legacy models have already been enabled to run the new JRE whenever you upgrade their Niagara version (as usual, upgrading is subject to active SMA). (See Question 5 for further context and explanation.)

10. What is the cost of the LEGACY-JRE part?

Please speak with your Tridium Sales Representative for details.

11. Is there a prospective End-of-Life date for the LEGACY-JRE part?

No.

12. Will I need the LEGACY-JRE part to run Niagara 4.14?

No, because Niagara 4.14 runs the new Azul JRE.

13. My customer's IT team ask if they are running Oracle Java and whether it is licensed. How do I respond?

Check the license in your records or Niagara Central license server. Review the table below for details.

License Type	Purchase Date	Valid Niagara 4 Versions
N4 Workbench	Prior to July 15, 2024	All Niagara 4 versions
N4 Supervisor	Prior to July 15, 2024	All Niagara 4 versions
N4 Workbench	On or after July 15, 2024	All Niagara 4 versions
N4 Supervisor	On or after July 15, 2024	4.10u8+, 4.13u3+, 4.14 and above
N4 Supervisor + LEGACY-JRE	On or after July 15, 2024	All Niagara 4 versions

If the customer is running the latest software released after May 24, 2024, then Niagara uses Azul JRE and is not using Oracle JRE. If older versions previously installed are no longer used, consider removing them.

If the customer has an older license purchased prior to July 15, 2024, or has purchased the LEGACY-JRE option, then an Oracle license has been purchased by Tridium and the device is licensed to use Niagara versions using Oracle JRE, if required.