

Release 3.7.0: webvis Migration-Guide

Migration Guide

This release contains various API improvements, including cleanups, refactorings, and changes. The following document provides general information on the recommended migration until the next release and a detailed list of API modifications.

Node State & Error communication

To improve the handling of Node States and Errors, we have introduced a new Node Property called STATE that replaces the previously available "INFO_STATE" and "RESOURCE_STATE" Properties. This new Property simplifies the process by holding the current NodeState, which is now grouped into different categories defined by NodeStateCategory.

To provide further clarity, we have also introduced a new NodeErrorEvent, which is triggered if the Node State indicates an Error. This allows for quicker identification and resolution of any issues that may arise.

Overall, these changes will enhance and streamline the management of Node States and Errors, ultimately leading to a more efficient and effective system.

```
// Get the current state of the Node
const state : webvis.NodeState = await context.getProperty(nodeId, webvis.Property.STATE);

// Get the category of the state
const category : webvis.NodeStateCategory = Math.floor(state / 1000);

// Listen for Node errors
context.registerListener([webvis.EventType.NODE_ERROR], (e:webvis.NodeErrorEvent) =>
{
  console.log(`Node: ${e.targetNodeId} State: ${e.state}`);
}, 0, true);
```

API changes

The list below outlines API changes that may require migration efforts. These modifications were made to enhance the API's user experience and require minimal manual intervention from developers..

We recommend using the provided webvis.d.ts and webvis.ui.d.ts types combined with the typescript compiler to ease the migration of signatures.

Legend:

Deprecated	Removed
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Enums

Member name	Description
NodeInfoState	This was replaced by the newly added NodeState
NodeResourceState	This was replaced by the newly added NodeState

ModelTrackingState

Member name	Description
GENERIC	Not supported anymore.

NodeRepresentation

Member name	Description
LOADING	This was replaced by the newly added NodeState.PROCESSING.

Property

Member name	Description
INFO_STATE	This was replaced by the newly added Property.STATE
RESOURCE_STATE	This was replaced by the newly added Property.STATE

SettingStrings

Member name	Description
ARKIT_CONFIG	Not supported anymore.

StreamConnectionState

Member name	Description
GENERIC	Not supported anymore.
READY	Not supported anymore.

XRCapabilities

Member name	Description
SHARED_ANCHOR_MS	Not supported anymore.