Types of Logs

The **UiPath Platform** has logging capabilities for all of its main components. All of the UiPath specific logs are based on the Nlog infrastructure.

These logs can be classified by several characteristics, as follows:

**Default Logs** - generated by default when the execution of a project starts and ends, when a system error occurs and the execution stops, or when the logging settings are configured to log the execution of every activity. The events logged by this category are:

* **Execution Start** is generated every time a process is started (Level = Information)
* **Execution End** is generated every time a process is finalized (Level = Information)
* **Transaction Start** is generated every time a transaction within a process is started (Level = Information)
* **Transaction End** is generated every time a transaction within a process is finalized (Level = Information)
* **Error Log** is generated every time the execution encounters an error and stops (Level = Error)
* **Debugging Log** (Level = Trace) is generated if the Robot Logging Setting is set to Verbose and contains, activity names, types, variable values, arguments etc.
* **User-Defined Logs** - generated according to the process designed by the user in Studio, when using the **Log Message** activity or the **Write Line** activity.

# Log Fields

## **Default fields**

These log fields are present in all logs:

* **Message**: The Log Message
* **Level**: Defines the log severity
* **Timestamp**: The exact date and time the action was performed
* **FileName**: the name of the .xaml file being “executed”
* **jobId**: The key of the job running the process
* **processName**: The name of the process that triggered the logging
* **processVersion**: The version number of the process
* **windowsIdentity**: The name of the user that performed the action that was logged
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* **robotName**: The name of the robot (defined in Orchestrator)

### Note:

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The **processName** and processVersion (**i'm guessing JobID and RobotName might also not appear**) might not appear if the process is run locally without connection to the Orchestrator.

## **Type-specific fields**

Thse log fields are present depending on the log type:

* **totalExecutionTimeInSeconds** for Execution End
* **totalExecutionTime** for Execution End
* **queueName** for Transaction Start and Transaction End
* **transactionID** for Transaction Start and Transaction End
* **transactionState** for Transaction Start and Transaction End
* **transactionStatus** for Transaction End
* **transactionExecutionTime** for Transaction End
* **activityInfo** for Debugging Log. It is a JSON message with the following fields
  + **DisplayName**
  + **State** (Faulted, Closed, Executing)
  + **Activity**
  + **Variables**
  + **Arguments**

### Note:

Only the first 3 are always present in the message. Variables and Arguments usually

**¿Cuándo se debe utilizar la actividad Add Log Fields?**

Cuando sea necesario personalizar el mensaje estándar de registro añadiendo nuevos campos

Agrega mas campos al log, lo personaliza