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A ctrIX CORE log is shown as follows in the *journald* by default:

<Time stamp>|<User ID>|<Main diagnostic number>|<Main diagnostic text>|<Detailed d iagnostic number>|<Detailed diagnostic text>|<Entity>|<Origin>|<Unit name>|<File na me>|<Function name>|<Line number>|<Dynamic description>

The individual elements are separated by pipes (|).

Explanation of the elements and specification about its use in diagnostics and trace

Element	Meaning	Use in diagnostics	Use in trace
<time stamp&gt;</time 	Time stamp when issuing the log in the ctrIX CORE diagnostic system acc. to ISO 8601.	Optional	Optional
	Format: "yyyy-mm-ddThh:mm:ss.microsZ" with micros = microseconds.		
<user id=""></user>	Unique user ID.	Optional	Never
	This element is only filled in case of user-relevant and security-relevant logs.		
<main diagnostic number&gt;</main 	Unique 32 bit number	Always	Always
<main diagnostic text&gt;</main 	Short text describing the meaning of the main diagnostic number.	Always	Always
	The exact meaning of the main diagnostic number is described in detail in the documentation of the respective diagnostic number.		



Element	Meaning	Use in diagnostics	Use in trace
<detailed diagnostic number&gt;</detailed 	Unique 32 bit number.	Optional	Never
	This number directly refers to the main diagnostic number.		
<detailed diagnostic text&gt;</detailed 	Short text describing the meaning of the detailed diagnostic number.	Optional	Never
	The exact meaning of the detailed diagnostic number is described in detail in the documentation of the respective diagnostic number.		
<entity></entity>	Entity/resource.	Optional	Optional
	Example: This corresponds to the system URI of the Data Layer address if the resource is provided with a respective address.		
<origin></origin>	Name of the application.	Optional	Optional
	Specification: This corresponds to the snap name if the application is a snap.		
<unit name=""></unit>	Name of the respective unit (bundle/component).	Optional	Always
<file name=""></file>	Name of the file in which the log entry is issued.	Optional	Optional
<function name&gt;</function 	Name of the function in which the log entry is issued.	Optional	Optional
	The name is output with namespaces if required.		
<line number&gt;</line 	Line number at which the log entry is issued.	Optional	Optional
<dynamic description&gt;</dynamic 	Additional log description that can be output in dynamic elements.	Optional	Optional
	The recommended language is English. I18n (multilingualism) does not affect this text. It remains in the language issued.		



Example of a diagnostic log:

2020-07-31T19:10:42.123456Z|101|080F0100|Error in diagnosis system|00666006|Main diagnosis code is not registered|diagnosis/set|rexroth-automationcore|common.log.diag nosis|handler.cpp|logThread|600|Not registered main diagnosis code 0x080F01FFF

Example of a trace log:

2020-07-31T19:10:42.123456Z||080A0112|Trace common message|||trace|rexroth-auto mationcore|common.log.trace|manager.cpp|setEnablingStateTraceUnit|211|Set enabling state for trace unit 'common.log.diagnosis' (Messages: true, warnings: true, errors: true).