

Report Writer

Customization Upgrade Guide
Release 5.4
Area: Reporting Engine

Latest version of this document

The latest version of this document can be found at <https://docs.avalog.com>

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Version history

Version / Date	Section	Description of the change
5.4v2 / 17 August 2024		Added a link to the new compiler framework topic on migrating Avaloq Script to the new compiler framework.
5.4v1 / 16 July 2024		Fixed broken link to compiler framework topic.
5.4v0 / 5 April 2022		This is a new document for ACP 5.4

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1 Introduction

This document describes changes you might need to make to your screen report customization when you upgrade to Avaloq Core release 5.4, because of changes in the compiler framework.

In Avaloq Core 5.4 and above, the Java-based compiler framework is used for Avaloq Script inside REP SCREEN sources (before datamart, on layout head, on <level> [head|foot]).

Although there are no changes that are specific to REP SCREEN sources, the usual compiler framework upgrade information applies to REP SCREEN sources:

- The Avaloq Script functionality for REP SCREEN sources is the same as for sources of type SCRIPT PACKAGE:
 - No more direct access to s#
 - Stricter type checking and syntax
 - Stricter client layering visibility

For more information, see [Migrating Avaloq Script to the new Compiler Framework](#) and the Avaloq Script Customization Upgrade Guide (doc. ID: 2606) for Avaloq Core 5.3.



Support from the Release Migration Wizard is available for the changes in Avaloq Script.

- It is no longer possible to circumvent the official Avaloq policy that sources must be installed via Installer changes.

This change means that the benefits of the Java-based Avaloq Script compiler are also available for REP SCREEN sources, mainly:

- Performance optimizations (see https://docs.avalog.com/abs/compiler/Optimizing_compilers.htm)
- Collections (see https://docs.avalog.com/abs/TechnicalBase/Avaloq_Script_-_Language_Reference-RG-1074/Data_Types.htm)
- More concise generated code