TRCPRGCTLR, Programming Control Register

The TRCPRGCTLR characteristics are:

Purpose

Enables the trace unit.

Configuration

External register TRCPRGCTLR bits [31:0] are architecturally mapped to AArch64 System register TRCPRGCTLR[31:0].

This register is present only when FEAT_ETE is implemented and FEAT_TRC_EXT is implemented. Otherwise, direct accesses to TRCPRGCTLR are res0.

Attributes

TRCPRGCTLR is a 32-bit register.

Field descriptions

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
RES0																															EN

Bits [31:1]

Reserved, res0.

EN, bit [0]

Trace unit enable.

EN	Meaning
0b0	The trace unit is disabled.
0b1	The trace unit is enabled.

The reset behavior of this field is:

- On a Trace unit reset, this field resets to 0.

Accessing TRCPRGCTLR

Must be programmed.

TRCPRGCTLR can be accessed through the external debug interface:

Component	Offset	Instance
ETE	0x004	TRCPRGCTLR

This interface is accessible as follows:

- When OSLockStatus(), or !AllowExternalTraceAccess() or ! IsTraceCorePowered(), accesses to this register generate an error response.
- Otherwise, accesses to this register are **RW**.

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