DBGCLAIMSET_EL1, Debug CLAIM Tag Set Register

The DBGCLAIMSET_EL1 characteristics are:

Purpose

Used by software to set the CLAIM tag bits to 1.

The architecture does not define any functionality for the CLAIM tag bits.

Note

CLAIM tags are typically used for communication between the debugger and target software.

Used in conjunction with the DBGCLAIMCLR_EL1 register.

Configuration

External register DBGCLAIMSET_EL1 bits [31:0] are architecturally mapped to AArch64 System register DBGCLAIMSET_EL1[31:0].

External register DBGCLAIMSET_EL1 bits [31:0] are architecturally mapped to AArch32 System register DBGCLAIMSET[31:0].

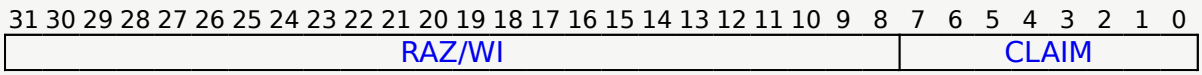
DBGCLAIMSET_EL1 is in the Core power domain.

An implementation must include eight CLAIM tag bits.

Attributes

DBGCLAIMSET_EL1 is a 32-bit register.

Field descriptions



Bits [31:8]

Reserved, RAZ/WI.

CLAIM, bits [7:0]

Set CLAIM tag bits.

This field is RAO.

Writing a 1 to one of these bits sets the corresponding CLAIM tag bit to 1. This is an indirect write to the CLAIM tag bits. A single write operation can set multiple CLAIM tag bits to 1.

Writing 0 to one of these bits has no effect.

Accessing DBGCLAIMSET_EL1

DBGCLAIMSET_EL1 can be accessed through the external debug interface:

Component	Offset	Instance
Debug	0xFA0	DBGCLAIMSET_EL1

This interface is accessible as follows:

- When IsCorePowered(), !DoubleLockStatus(), !OSLockStatus() and SoftwareLockStatus(), accesses to this register are **RO**.
- When IsCorePowered(), !DoubleLockStatus(), !OSLockStatus() and ! SoftwareLockStatus(), accesses to this register are **RW**.
- Otherwise, accesses to this register generate an error response.

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