

## CTIAUTHSTATUS, CTI Authentication Status register

The CTIAUTHSTATUS characteristics are:

### Purpose

Provides information about the state of the implementation defined authentication interface for CTI.

### Configuration

CTIAUTHSTATUS is in the Debug power domain.

This register is optional, and is required for CoreSight compliance.

### Attributes

CTIAUTHSTATUS 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				RAZ				RES0				RAZ				RES0				RAZ				NSN				NSID			

#### Bits [31:28]

Reserved, res0.

#### Bits [27:24]

Reserved, RAZ.

#### Bits [23:16]

Reserved, res0.

#### Bits [15:12]

Reserved, RAZ.

#### Bits [11:8]

Reserved, res0.

## Bits [7:4]

Reserved, RAZ.

## NSNID, bits [3:2]

If EL3 is implemented, this field holds the same value as [DBGAUTHSTATUS\\_EL1](#).NSNID.

If EL3 is not implemented and the implemented Security state is Secure state, this field holds the same value as [DBGAUTHSTATUS\\_EL1](#).SNID.

## NSID, bits [1:0]

If EL3 is implemented, this field holds the same value as [DBGAUTHSTATUS\\_EL1](#).NSID.

If EL3 is not implemented and the implemented Security state is Secure state, this field holds the same value as [DBGAUTHSTATUS\\_EL1](#).SID.

## Accessing CTIAUTHSTATUS

**CTIAUTHSTATUS** can be accessed through the external debug interface:

Component	Offset	Instance
CTI	0xFB8	CTIAUTHSTATUS

Accesses on this interface are **RO**.

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[AArch32  
Registers](#)

[AArch64  
Registers](#)

[AArch32  
Instructions](#)

[AArch64  
Instructions](#)

[Index by  
Encoding](#)

[External  
Registers](#)

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