

AMDP Procedure	AMDP Function
AMDP procedure implementation can be consumed by ABAP program directly.	AMDP function implementations cannot be called by an ABAP program directly. But they can be called from other AMDP functions or procedures.
AMDP procedure cannot be consumed by the CDS view.	AMDP function can be consumed by the other CDS view via the CDS table function.
AMDP Procedure uses the addition BY DATABASE PROCEDURE of the METHOD statement in AMDP classes.	AMDP functions use the addition BY DATABASE FUNCTION of the METHOD statement in AMDP classes.
AMDP procedure supports importing and exporting parameters	Unlike AMDP procedure implementations, AMDP function implementations have no export parameters. They have exactly one tabular return value (returning parameter) and besides that only import parameter.
AMDP procedure can return multiple result sets.	AMDP function can return single result set CDS table functions are implemented using AMDP functions
Possible use case: let's say you want to create an ABAP report where you want a code push-down approach to fetch data based on some complex logic that you think can't be handled by the CDS view or needs multiple results set in return, in such case you can use the AMDP procedure. AMDP procedures can't be used as a data source for other CDS views.	Possible use case: In case you want to create a consumption CDS view build upon multiple CDS views for FIORI application, let's say in one of the underlying CDS views you want to use any native HANA function feature in such case you can use the AMDP function wrapped in CDS table function and it can be used as a data source for other CDS views or ABAP reports.