

		Description	SQL	RPG IV file definition (dcl-f) ¹	RPG IV ds external (dcl-ds ... ext ...) ¹ (dcl-ds ... likerec ...) ¹	DSPF/PRTF file ²	DSPF/PRTF file definition in RPG (dcl-f)	DSPF/PRTF ds external in RPG (dcl-ds ... likerec ...)
CHARACTER		Character fixed length	CHAR CHARACTER	char	char	char	char	char
		Character varying length	VARCHAR CHAR VARYING CHARACTER VARYING	varchar	varchar	char	char	char
		Indicator / Boolean	BOOLEAN	ind	ind	date ³ / char(1) ⁴	date ³ / char(1) ⁴	date ³ / char(1) ⁴
NUMERIC	exact	Integer	SMALLINT INTEGER BIGINT	packed(5, 0) ⁵ packed(10, 0) ⁶ packed(20, 0)	int(5) ⁷ int(10) ⁸ int(20)	zoned(4, 0) zoned(9, 0) zoned(18, 0)	packed(4, 0) packed(9, 0) packed(18, 0)	zoned(4, 0) zoned(9, 0) zoned(18, 0)
		Packed decimal	DEC DECIMAL	packed	packed	zoned	packed	zoned
		Zoned decimal	NUM NUMERIC	packed	zoned	zoned	packed	zoned
DATE		Date	DATE	date	date	date	date	date
		Time	TIME	time	time	time	time	time
		Timestamp	TIMESTAMP	timestamp	timestamp	timestamp	timestamp	timestamp
		Row identifier	ROWID	varchar(40)	varchar(40)	char(40) ⁹	char(40) ⁹	char(40) ⁹

= Exact match with data type in the table



IBM i 7.5

1

control specification extbinint(*yes)

2

Packed decimal and binary fields are not supported for display/printer files. When you refer to fields of these types, the data type assigned is zoned decimal

3

For display file

4

For printer file

5

packed(4, 0) if control specification extbinint(*no)

6

packed(9, 0) if control specification extbinint(*no)

7

binary(4, 0) if control specification extbinint(*no)

8

binary(9, 0) if control specification extbinint(*no)

9

Only for printer file