

S04-L02

How to work with partitions?

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table_name	partition_ordinal_position	table_rows	partition_method	TABLE_CATALOG	TABLE_SCHEMA	TABLE_NAME	PARTITION_NAME	SUBPARTITION_NAME
invoice	2	16406	RANGE	def	sample_staff	invoice	p1985	p1985sp0
invoice	2	9	RANGE	def	sample_staff	invoice	p1985	p1985sp1
invoice	2	18	RANGE	def	sample_staff	invoice	p1985	p1985sp2
invoice	2	1574	RANGE	def	sample_staff	invoice	p1985	p1985sp3
invoice	2	3263	RANGE	def	sample_staff	invoice	p1985	p1985sp4
invoice	2	4876	RANGE	def	sample_staff	invoice	p1985	p1985sp5
invoice	2	6572	RANGE	def	sample_staff	invoice	p1985	p1985sp6
invoice	2	8194	RANGE	def	sample_staff	invoice	p1985	p1985sp7
invoice	2	9877	RANGE	def	sample_staff	invoice	p1985	p1985sp8
invoice	2	11615	RANGE	def	sample_staff	invoice	p1985	p1985sp9
invoice	2	13125	RANGE	def	sample_staff	invoice	p1985	p1985sp10
invoice	2	14915	RANGE	def	sample_staff	invoice	p1985	p1985sp11
invoice	3	36108	RANGE	def	sample_staff	invoice	p1986	p1986sp0
invoice	3	17898	RANGE	def	sample_staff	invoice	p1986	p1986sp1
invoice	3	20196	RANGE	def	sample_staff	invoice	p1986	p1986sp2
invoice	3	20881	RANGE	def	sample_staff	invoice	p1986	p1986sp3
invoice	3	22670	RANGE	def	sample_staff	invoice	p1986	p1986sp4
invoice	3	24786	RANGE	def	sample_staff	invoice	p1986	p1986sp5
invoice	3	25653	RANGE	def	sample_staff	invoice	p1986	p1986sp6
invoice	3	28152	RANGE	def	sample_staff	invoice	p1986	p1986sp7

S04-L02 RANGE and LIST partitioning

```
CREATE TABLE `invoice` (  
    ...  
    PRIMARY KEY (`id`, `invoiced_date`)  
) ENGINE=InnoDB  
    DEFAULT CHARSET=utf8  
    PARTITION BY RANGE( YEAR(invoiced_date) )  
    SUBPARTITION BY HASH( MONTH(invoiced_date) )  
    SUBPARTITIONS 12 (  
        PARTITION p1984 VALUES LESS THAN (1985),  
        PARTITION p1985 VALUES LESS THAN (1986),  
        PARTITION p1986 VALUES LESS THAN (1987),  
        PARTITION p1987 VALUES LESS THAN (1988),  
        PARTITION p1988 VALUES LESS THAN (1989),  
        PARTITION p1989 VALUES LESS THAN (1990),  
        PARTITION p1990 VALUES LESS THAN (1991),  
        PARTITION p1991 VALUES LESS THAN (1992),  
        PARTITION p1992 VALUES LESS THAN (1993),  
        PARTITION p1993 VALUES LESS THAN (1994),  
        PARTITION pOTHER VALUES LESS THAN MAXVALUE  
    )
```

```
CREATE TABLE employee (  
    id INT NOT NULL,  
    store_id INT,  
    ...  
)  
PARTITION BY LIST(store_id) (  
    PARTITION pNorth VALUES IN (3,5,6,9,17),  
    PARTITION pEast VALUES IN (1,2,10,11,19,20),  
    PARTITION pWest VALUES IN (4,12,13,14,18),  
    PARTITION pCentral VALUES IN (7,8,15,16)  
);
```