

Combine multiple rows into one combined result set

```
-- select the initial data
```

```
select
[itype],
[ivalue]
from [ag_camp].[dbo].[settings]
where [itype] = 'retcode'
```

```
-- combine multiple rows into single column
```

```
-- combine ivalue into single column
```

```
select
distinct [_q2].[itype],
stuff((select ', ' + [_q1].[ivalue]
      from [ag_camp].[dbo].[settings] as [_q1]
      where [_q1].[itype] = [_q2].[itype] for xml path('')),1,1,'') as [combined]
```

```
from [ag_camp].[dbo].[settings] as [_q2]
```

```
where [_q2].[itype] = 'retcode'
```

The image shows two screenshots of SQL Server Enterprise Manager. The left screenshot displays the initial query and its results. The right screenshot displays the combined query and its results.

Initial Query:

```
-- select the initial data
select
[itype],
[ivalue]
from [ag_camp].[dbo].[settings]
where [itype] = 'retcode'
```

Initial Results:

itype	ivalue
retcode	INVALIDROLE
retcode	NOADDTK
retcode	INACTIVE
retcode	ACTIVE
retcode	INACTIVETM
retcode	ALREADYON
retcode	NOTTM
retcode	DEPARTURE
retcode	SUBOFF
retcode	NOREQTK
retcode	DELEGATE
retcode	MAYCONFLICT
retcode	NOTEAM
retcode	SUBREQ
retcode	NOCASE
retcode	ACKREQ
retcode	NOADMIN

Combined Query:

```
-- combine multiple rows into single column
-- combine ivalue into single column
select
distinct [_q2].[itype],
stuff((select ', ' + [_q1].[ivalue]
      from [ag_camp].[dbo].[settings] as [_q1]
      where [_q1].[itype] = [_q2].[itype] for xml path('')),1,1,'') as [combined]
from [ag_camp].[dbo].[settings] as [_q2]
where [_q2].[itype] = 'retcode'
```

Combined Results:

itype	combined
retcode	INVALIDROLE, NOADDTK, INACTIVE, ACTIVE, INACTIVETM, ALREADYON, NOTTM, DEPARTURE, SUBOFF, NOREQTK, DELEGATE, MAYCONFLICT, NOTEAM, SUBREQ, NOCASE, ACKREQ, NOADMIN