

## YAXT - Feature # 315

<b>Status:</b>	Closed	<b>Priority:</b>	Normal
<b>Author:</b>	Joerg Behrens	<b>Category:</b>	
<b>Created:</b>	03/08/2013	<b>Assignee:</b>	
<b>Updated:</b>	04/10/2013	<b>Due date:</b>	

**Subject:** new constructor xt\_redist\_repeat

### Description

new constructor for simple static repetition of the same redist  
(much simpler version of xt\_redist\_collection\_static\_new)

```
Xt_redist
xt_redist_repetition_new(Xt_redist redist, unsigned num_repetitions,
                        MPI_Aint displacements[num_repetitions]);
//hint: use xt_mpi_generate_datatype from xt_mpi.c
//hint: write easy to read doc
```

### History

#### #1 - 04/09/2013 11:36 am - Joerg Behrens

We need more information from the caller in order to build a new redist:

byte-extent that scales the given displacements (now as int\*)

E.g., this could be the layer-size of the user data in a 2dim. decomposition.

```
Xt_redist
xt_redist_repetition_new(Xt_redist redist, MPI_Aint extent, unsigned num_repetitions,
int displacements[num_repetitions]);
```

#### #2 - 04/10/2013 04:58 pm - Moritz Hanke

- Status changed from New to Closed

is now implemented