**NAME**

init\_vm

**SYNOPSIS**

#include “Comm.h”

void init\_vm(conf);

**ARGUMENTS**

cons – Configuration for new vm

**DESCRIPTION**

Initialize a new vm with given configuration.

**RETURN VALUES**

init\_vm does not return any value.

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**NAME**

destroy\_vm

**SYNOPSIS**

#include “Comm.h”

void destroy\_vm();

**ARGUMENTS**

destroy\_vm does not have any argument

**DESCRIPTION**

destroy currently running vm.

**RETURN VALUES**

destroy\_vm does not return any value.

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**NAME**

switch\_repartitioner

**SYNOPSIS**

#include “Comm.h”

void switch\_repartitioner(node);

**ARGUMENTS**

node – A node will become new repartitioner

**DESCRIPTION**

Switch the current repartitioner node with given node

**RETURN VALUES**

switch\_repartitioner does not return any value.

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**NAME**

get\_num\_vm

**SYNOPSIS**

#include “Comm.h”

int get\_num\_vm();

**ARGUMENTS**

get\_num\_vm does not have any argument

**DESCRIPTION**

return the number of vm currently running at the node.

**RETURN VALUES**

count - the number of vm currently running at the node.

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**NAME**

get\_num\_client

**SYNOPSIS**

#include “Comm.h”

int get\_num\_client();

**ARGUMENTS**

get\_num\_client does not have any argument

**DESCRIPTION**

return the number of clients served by a node.

**RETURN VALUES**

count - the number of clients served by a node.

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**NAME**

get\_num\_node

**SYNOPSIS**

#include “Comm.h”

int get\_num\_node();

**ARGUMENTS**

get\_num\_node does not have any argument

**DESCRIPTION**

return the number of nodes in the cloud

**RETURN VALUES**

count - the number of nodes in the cloud

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**NAME**

get\_RTT\_time

**SYNOPSIS**

#include “Comm.h”

int get\_RTT\_time();

**ARGUMENTS**

get\_RTT\_time does not have any argument

**DESCRIPTION**

return most recently measured RTT time in microsecond.

**RETURN VALUES**

RTT - most recently measured RTT time

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**NAME**

do\_repartitioning

**SYNOPSIS**

#include “Comm.h”

void do\_repartitioning();

**ARGUMENTS**

do\_repartitioning does not have any argument

**DESCRIPTION**

Perform enforced repartitioning to the current repartitioner.

**RETURN VALUES**

do\_repartitioning does not have any return value

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**NAME**

get\_num\_thread

**SYNOPSIS**

#include “Comm.h”

int get\_num\_thread();

**ARGUMENTS**

get\_num\_thread does not have any argument

**DESCRIPTION**

Return the number of offloaded threads served by a node

**RETURN VALUES**

count - the number of offloaded threads served by a node

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**NAME**

get\_num\_total\_thread

**SYNOPSIS**

#include “Comm.h”

int get\_num\_thread();

**ARGUMENTS**

get\_num\_total\_thread does not have any argument

**DESCRIPTION**

Return the number of offloaded threads served by cloud

**RETURN VALUES**

count - the number of offloaded threads served by cloud

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