



# Version 3.3 New Enhancement

November, 2015

NEC Corporation,  
Cloud Platform Division,  
EXPRESSCLUSTER Group



# Orchestrating a brighter world

NEC brings together and integrates technology and expertise to create the ICT-enabled society of tomorrow.

We collaborate closely with partners and customers around the world, orchestrating each project to ensure all its parts are fine-tuned to local needs.

Every day, our innovative solutions for society contribute to greater safety, security, efficiency and equality, and enable people to live brighter lives.

# Support for SAP HANA® 1/2

## NEC released the solution for increasing availability of SAP HANA® on AWS!

With this solution, EXPRESSCLUSTER enables to automatically detect the system failure using SAP HANA on AWS, and operation can be taken over to standby server. This leads to high availability and efficient operation which is required in mission critical systems.

NEC EXPRESSCLUSTER achieved No.1 Market Share for Availability and Clustering Software in Asia Pacific Region for 5 Straight Years.

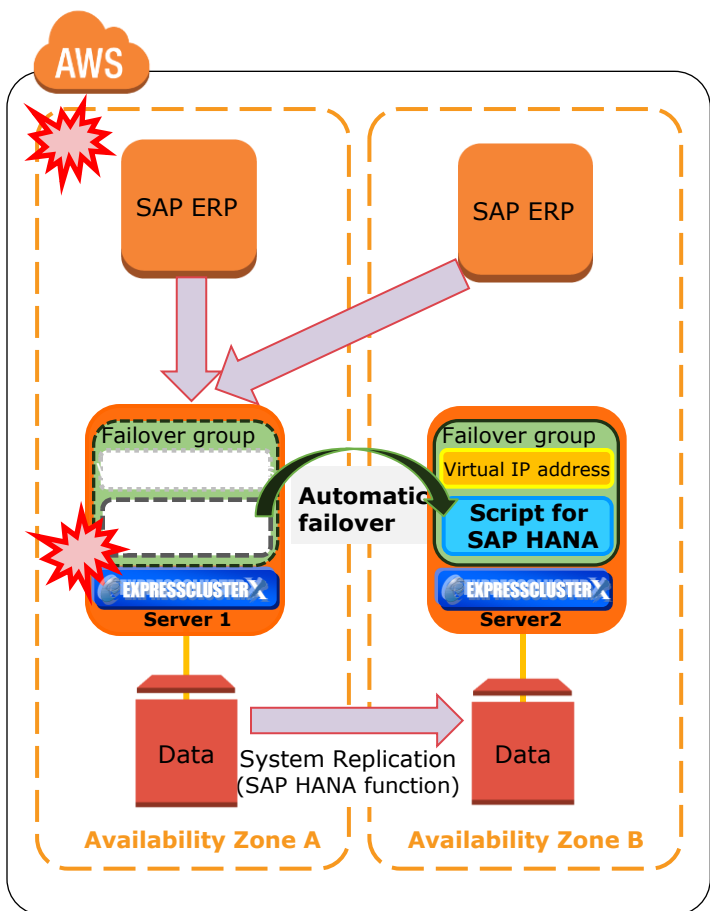
Source: IDC Japan, June 2014 "Japan System Software 2014-2018 Forecast and 2013 Analysis" (J14350103)  
IDC AP, October 2014 "Asia/Pacific (Excluding Japan) Availability and Clustering Software Market Update 2014" (AP246216)

The screenshot shows a press release from NEC. At the top, it says 'NEWS RELEASE' and 'Empowered by Innovation NEC'. The main heading is 'Press Release - For immediate use January 30, 2015' and 'NEC Press Contacts (Japan)'. Below this, there are contact details for Seichiro Toda and Joseph Jasper, including their email addresses and phone numbers. The main body of the release starts with 'NEC launches solution to improve availability of SAP HANA(R) run on AWS' and mentions that it achieves high reliability mission critical systems on cloud platforms. It then states that Tokyo, January 30, 2015 - NEC Corporation (NEC; TSE: 6701) announced today the global release of a solution employing NEC's EXPRESSCLUSTER clustering software to improve availability of the in-memory database software, SAP HANA(R), running on the Amazon Web Services (AWS) cloud computing service. The release further explains that in recent years, cloud usage has gained heavy momentum, and the number of corporations using SAP HANA on cloud-based service platforms has been increasing. It also mentions that NEC has been independently conducting verification testing with regards to improved availability for SAP HANA. Furthermore, the EXPRESSCLUSTER software has acquired the No.1 (\*) market share in the Asia Pacific region for five years running, and has achieved numerous delivery results geared towards systems that run on NEC Cloud IaaS and AWS.

[http://www.nec.com/en/press/201501/global\\_20150130\\_01.html](http://www.nec.com/en/press/201501/global_20150130_01.html)

# Support for SAP HANA® 2/2

EXPRESSCLUSTER achieves high availability which is required for mission critical systems on AWS!



## Automatic failover in case of failure

- SAP HANA is monitored by EXPRESSCLUSTER from both hardware and software aspect and automatic failover is executed in case of failure. (Manual failover with SAP's HA function)
- Virtual IP address is automatically switched to server where failover group is active and application services are running to ensure the business continuity

## Operation is not stopped in the event of disaster

- Disaster recovery can be achieved with redundant configuration over multiple Availability Zone on AWS

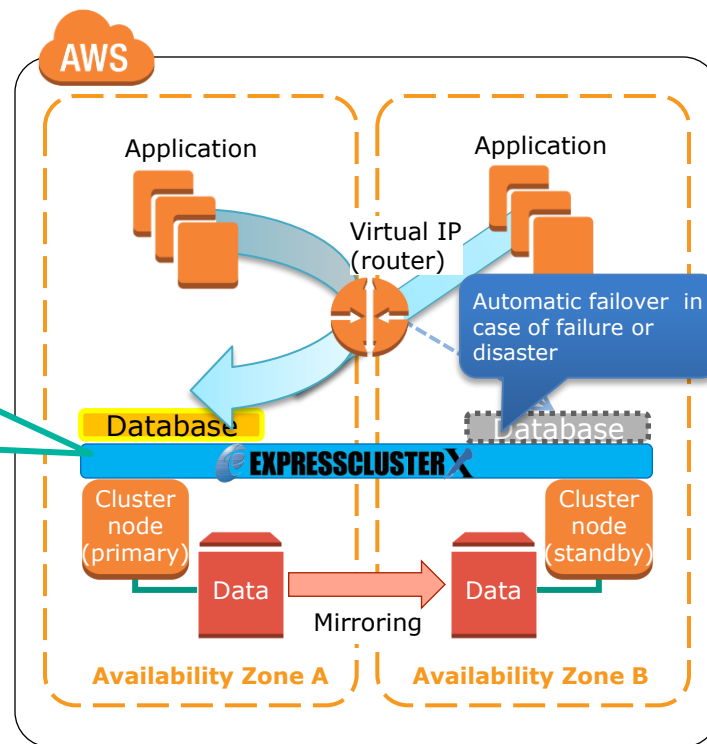
## Setup for public cloud is simplified!

- Setup is done by applying values in simple GUI. Operation which needs cloud service API knowledge such as virtual IP address is simplified.
- Amazon Web Service (AWS) and Microsoft Azure are supported.

### Very simple GUI setting



(\*) Cloud resource is generic name of group resource and monitor resource which is used for implementing EXPRESSCLUSTER on public cloud. In the product, following names are displayed. "AWS elastic IP resources", "AWS virtual IP resources", "Azure probe port resources", "AWS elastic IP monitor resources", "AWS virtual IP monitor resources", "AWS AZ monitor resources" "Azure probe port monitor resources", "Azure load balance monitor resources"



# Support OS Expansion

EXPRESSCLUSTER supports new distribution!

## Linux

Red Hat Enterprise Linux 7.0

Red Hat Enterprise Linux 6.6

Red Hat Enterprise Linux 5.11

Ubuntu 14.04 LTS Server (x64)

## IBM POWER

Red Hat Enterprise Linux 7.0

Red Hat Enterprise Linux 6.6

Please find more details on the website!

[http://www.nec.com/en/global/prod/expresscluster/en/overview/system\\_requirements.html](http://www.nec.com/en/global/prod/expresscluster/en/overview/system_requirements.html)

# Thank You

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An Integrated High Availability and Disaster Recovery Solution

For more product information & request for trial license,  
visit >> <http://www.nec.com/expresscluster>

For more information, feel free to contact us - [info@expresscluster.jp.nec.com](mailto:info@expresscluster.jp.nec.com)

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