

# Heavy Reading Study on CSPs and OpenStack

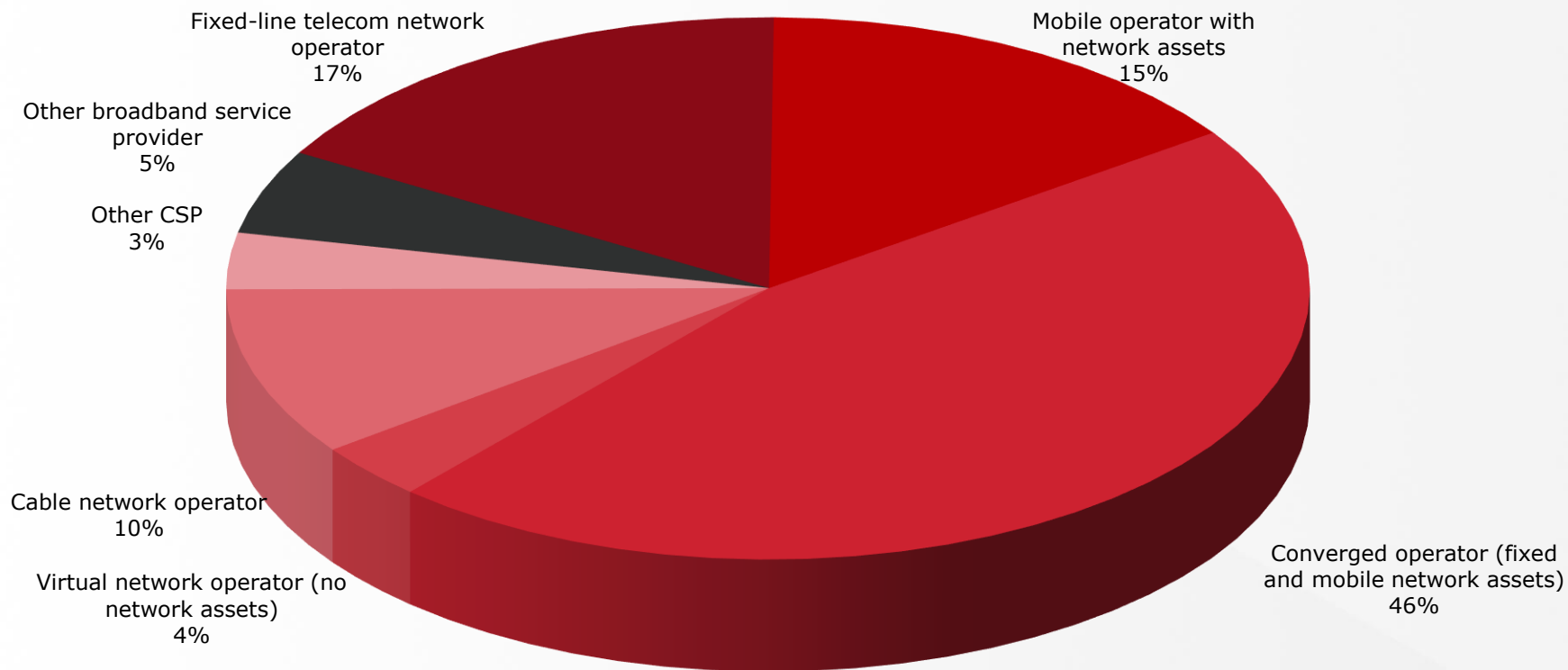
November 2016

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Roz Roseboro, Senior Analyst

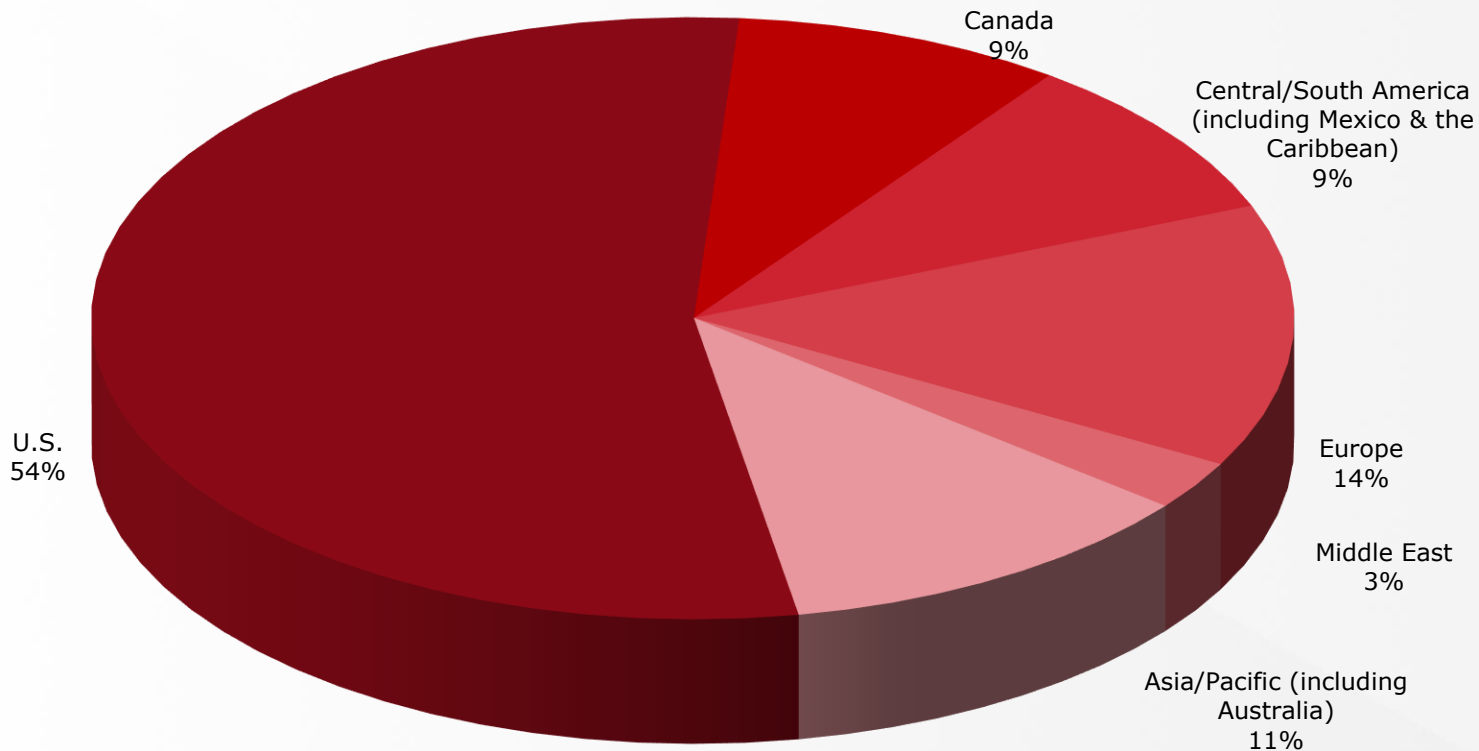


# Operator type



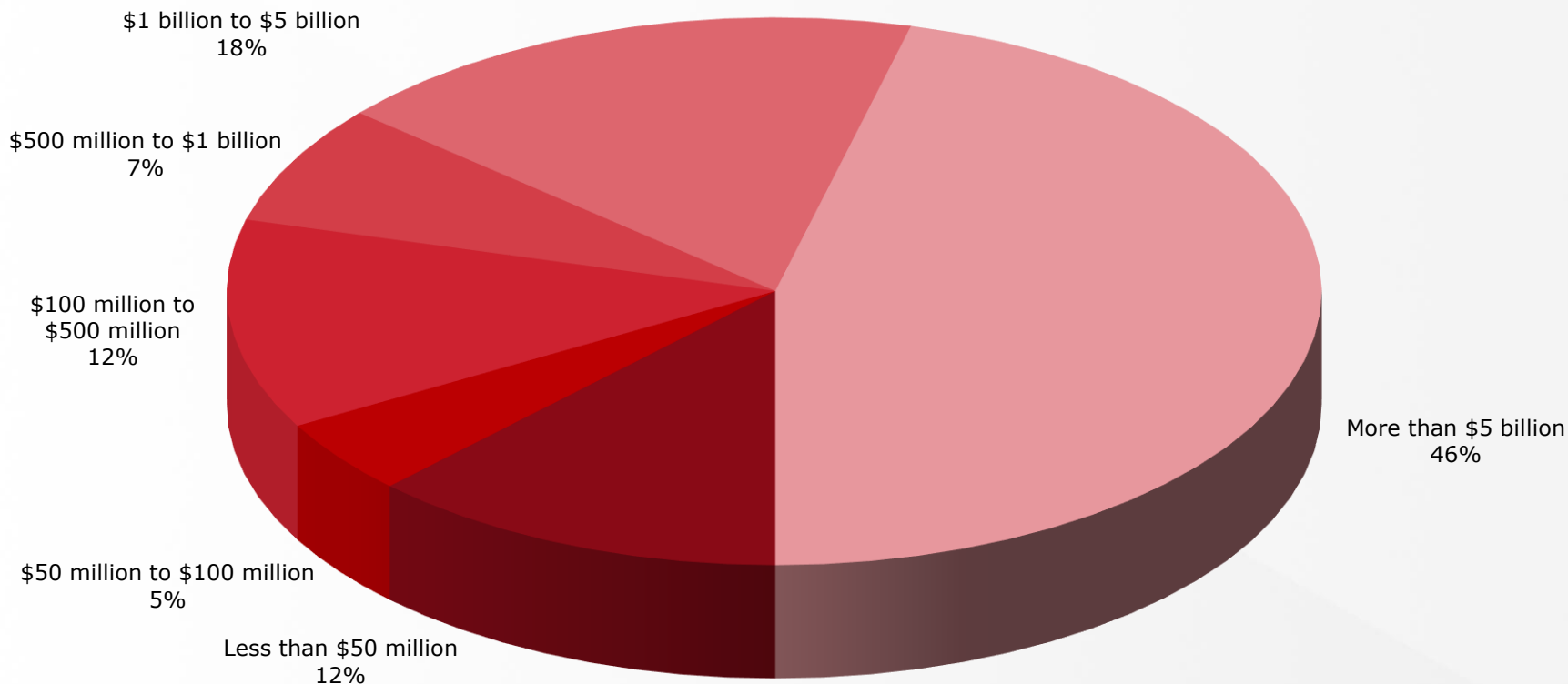
Source: Heavy Reading service provider survey, August 2016, n=113

# Operator location



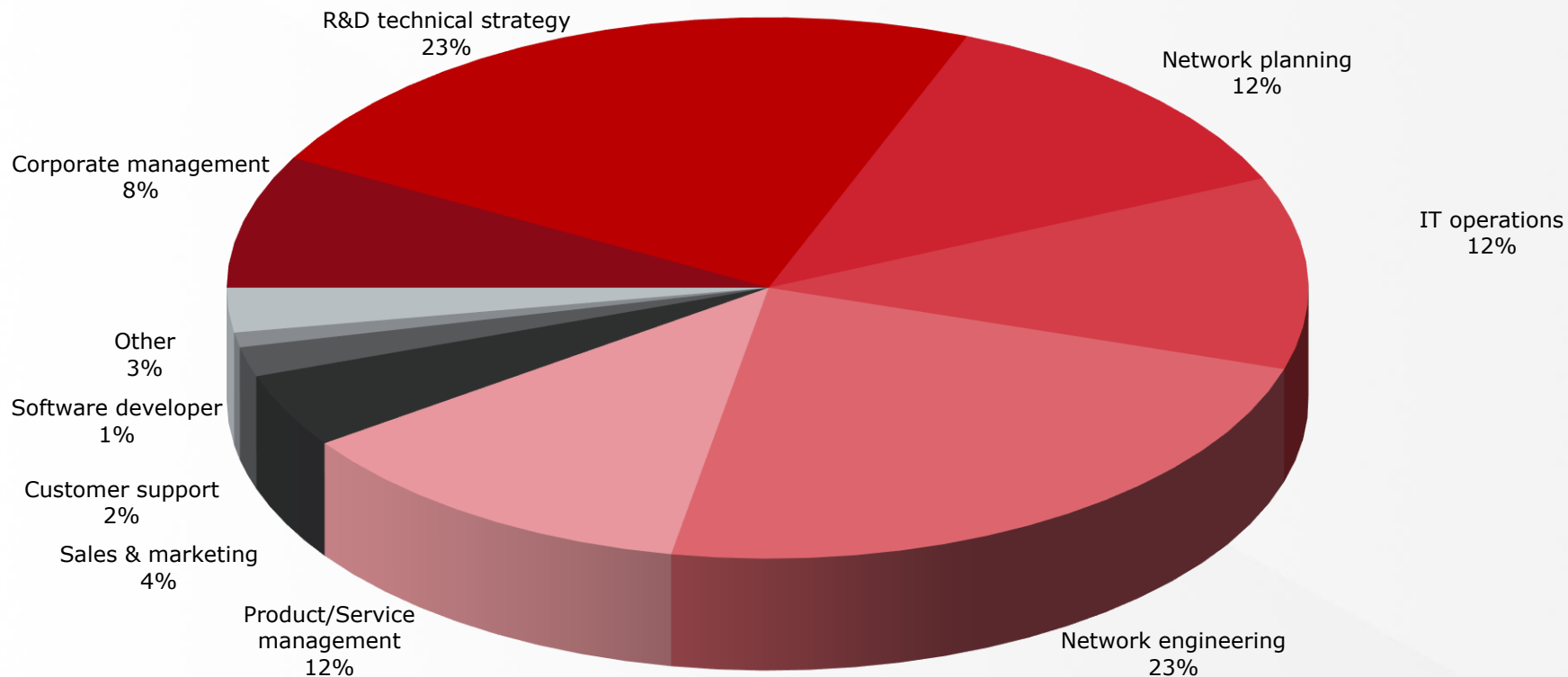
Source: Heavy Reading service provider survey, August 2016, n=113

# Operator size



Source: Heavy Reading service provider survey, August 2016, n=113

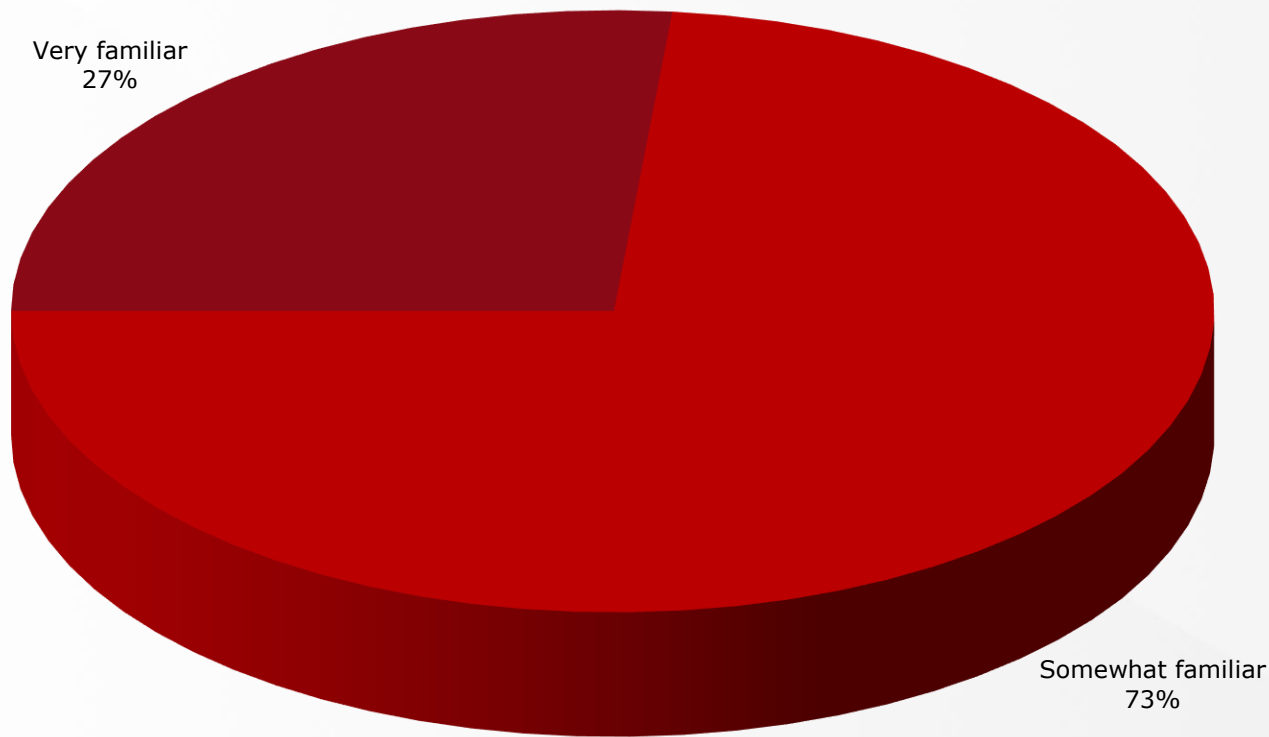
# Respondent roles



Source: Heavy Reading service provider survey, August 2016, n=113

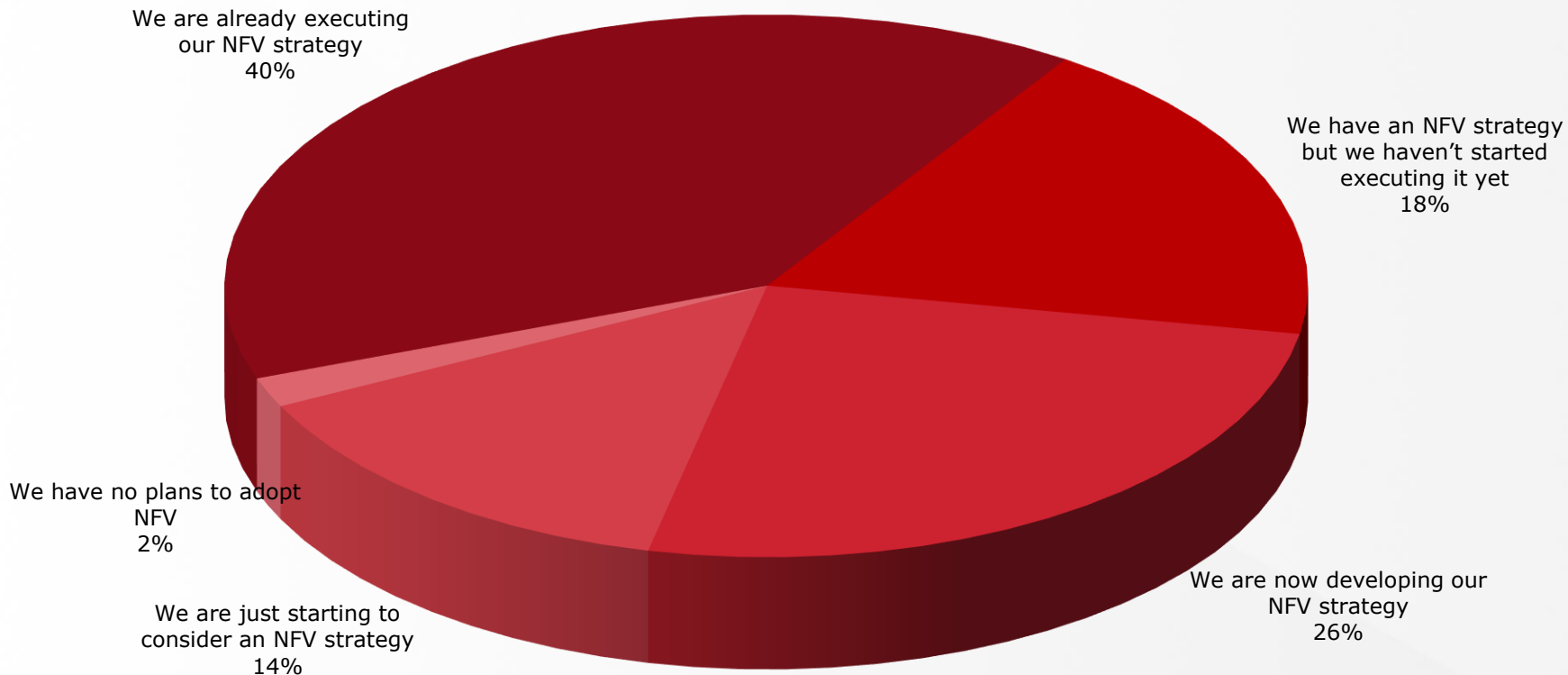
# Familiarity with OpenStack

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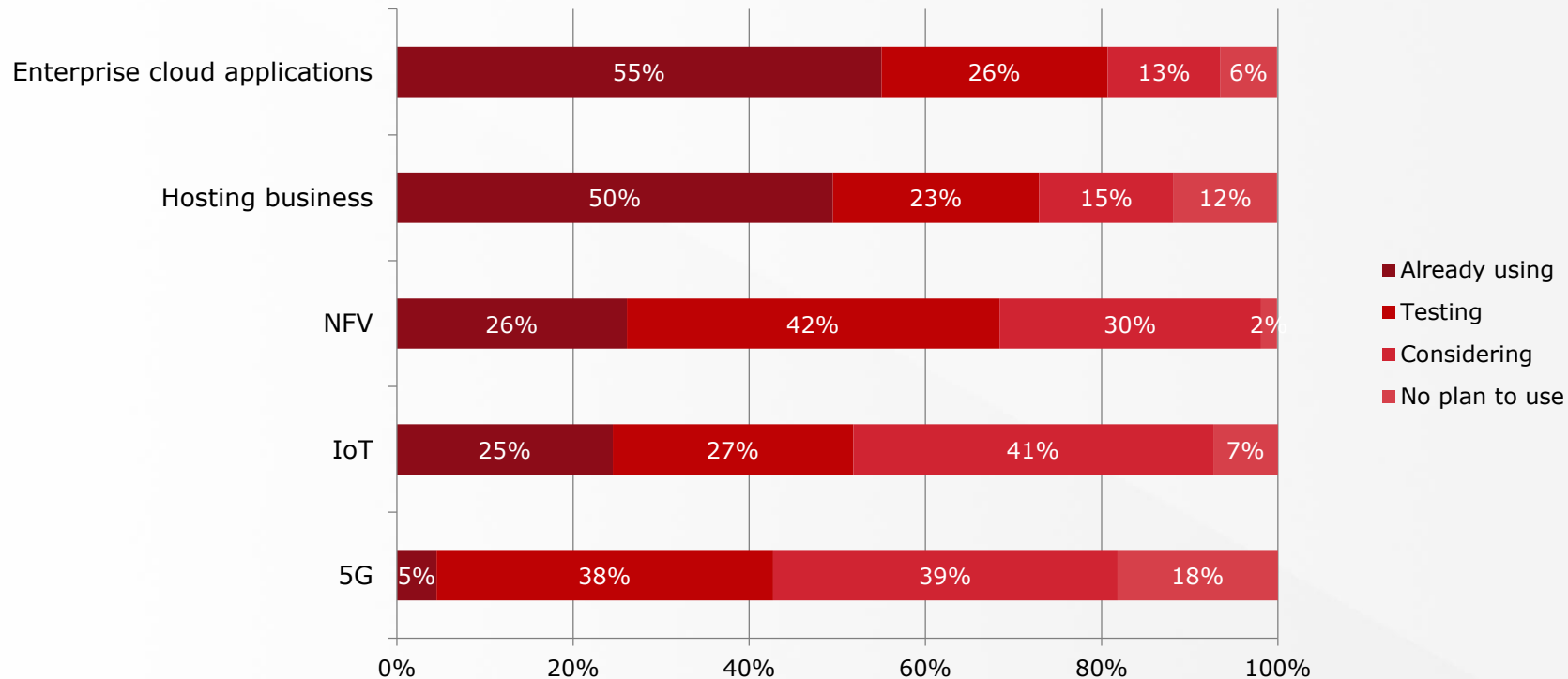
Source: Heavy Reading service provider survey, August 2016, n=113

# NFV strategy execution status



Source: Heavy Reading service provider survey, August 2016, n=113

# Cloud strategy execution status

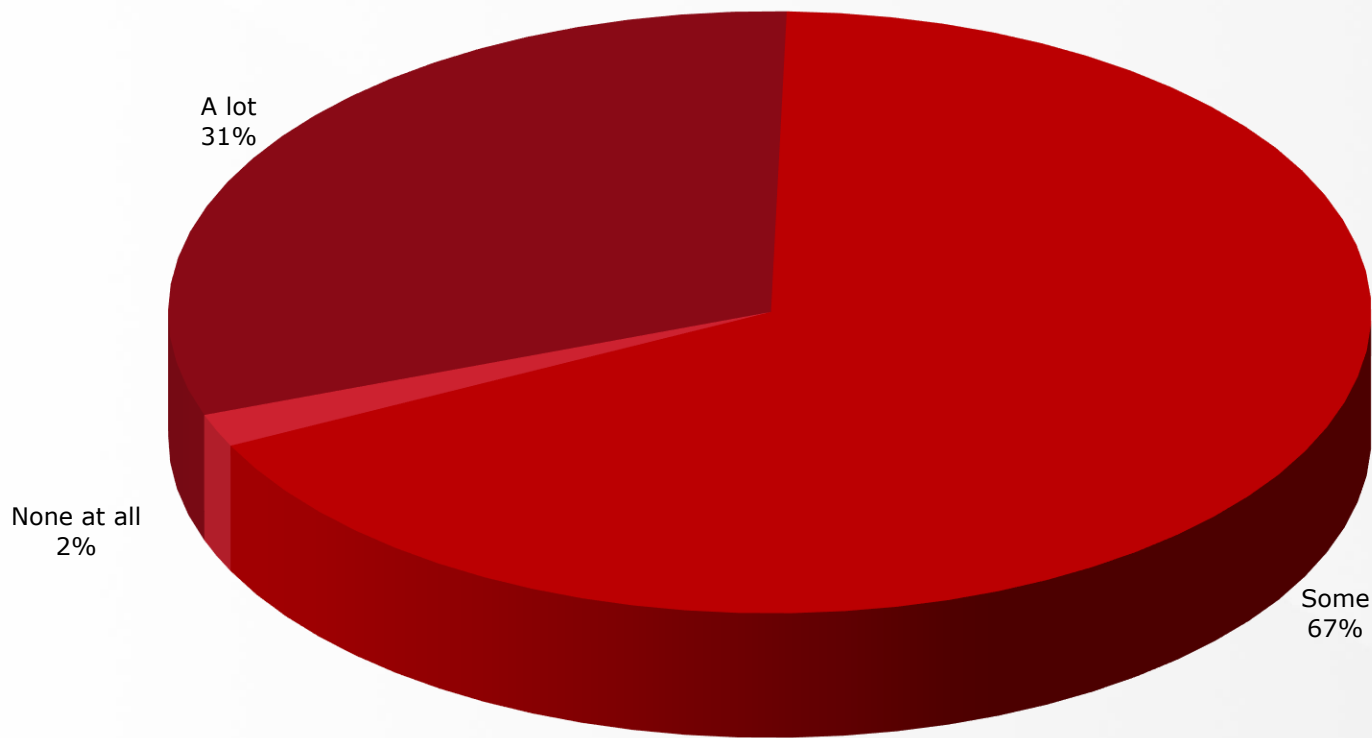


Source: Heavy Reading service provider survey, August 2016, n=109-111



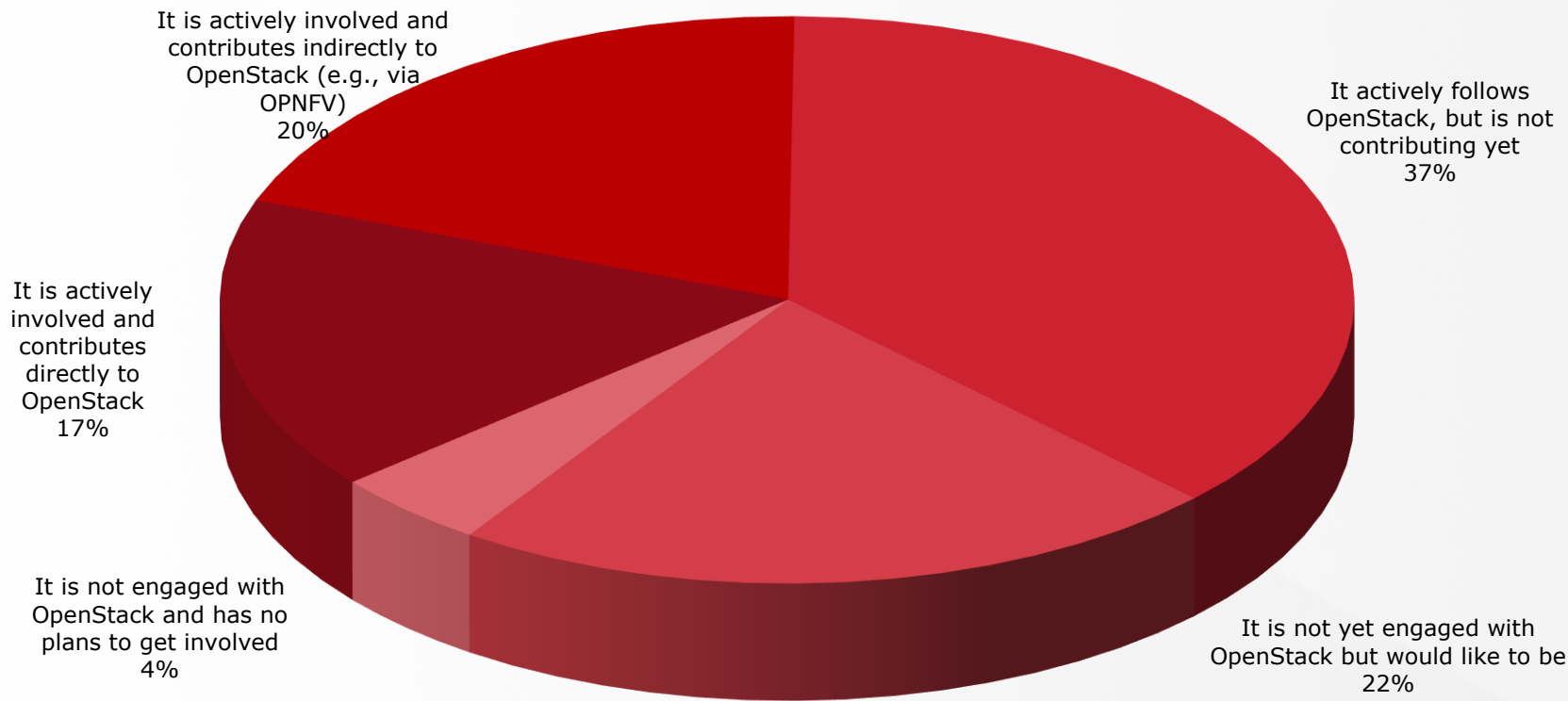
# Experience with open source software

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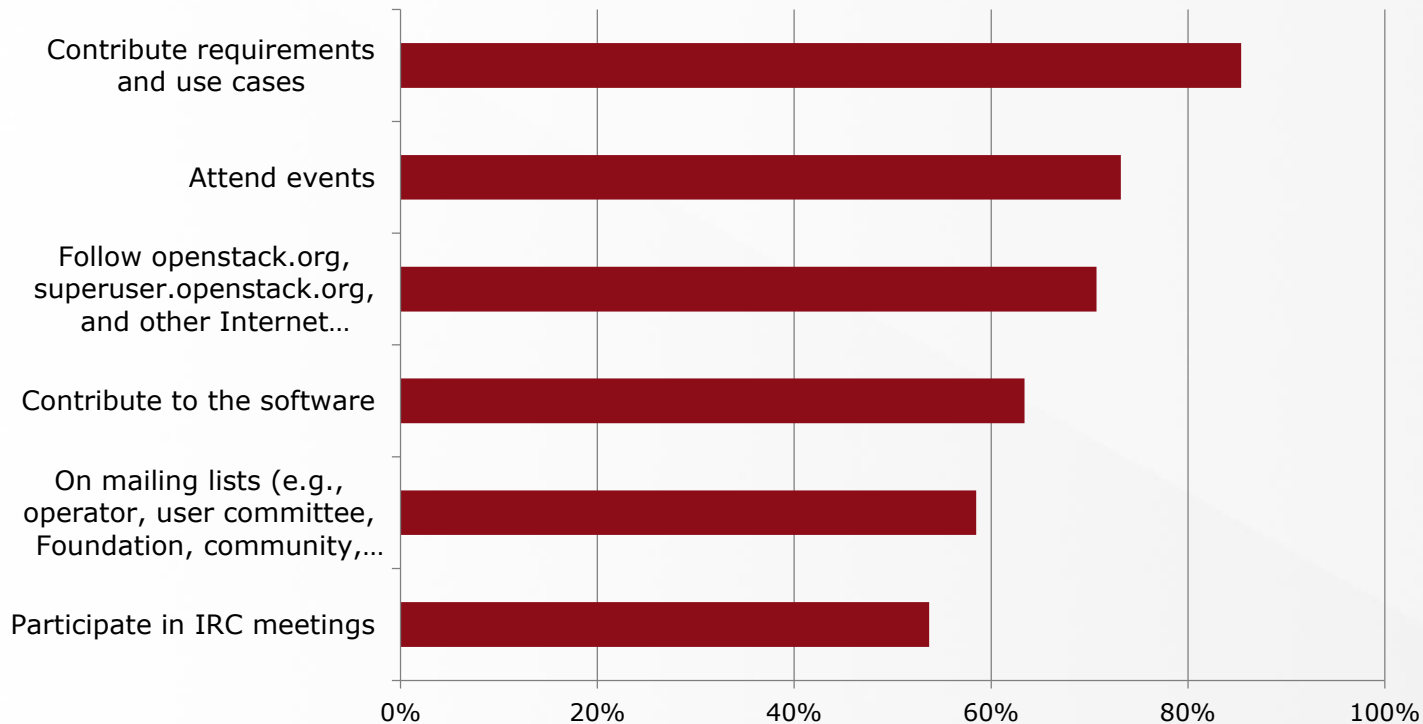
Source: Heavy Reading service provider survey, August 2016, n=113

# Level of engagement with OpenStack



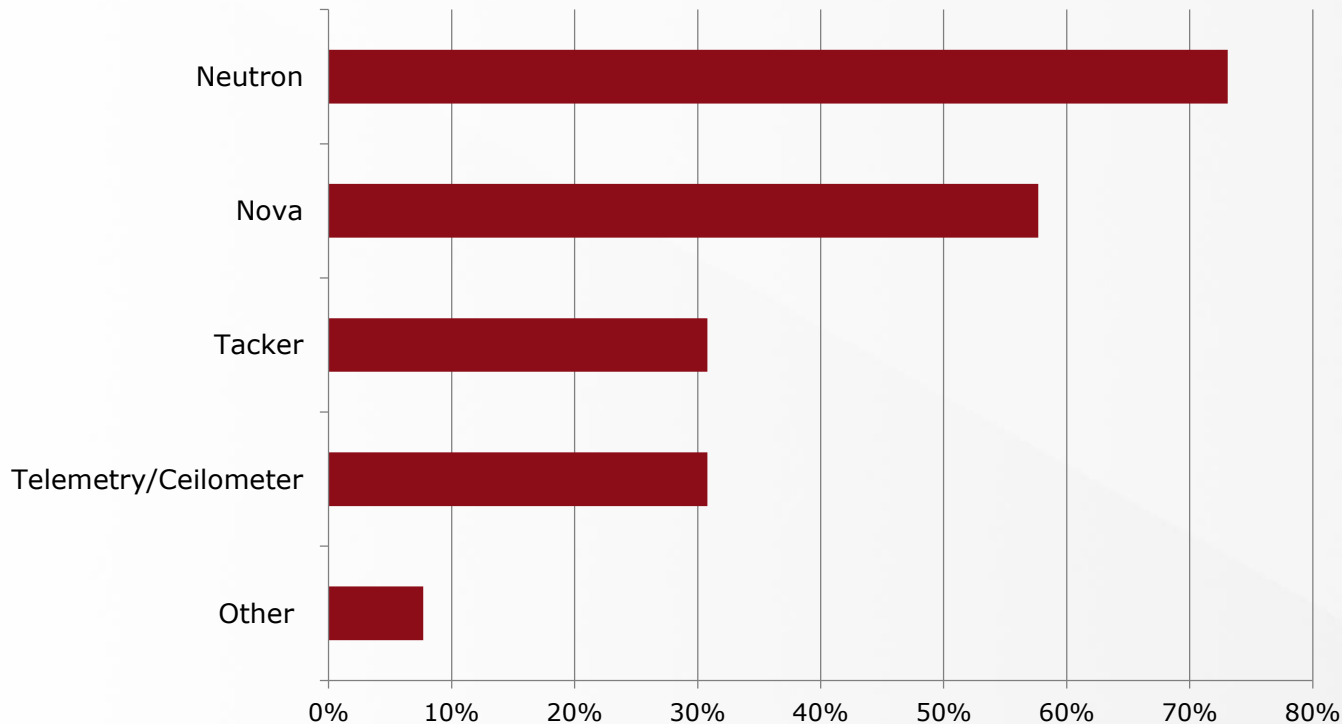
Source: Heavy Reading service provider survey, August 2016, n=113

# Nature of engagement with OpenStack



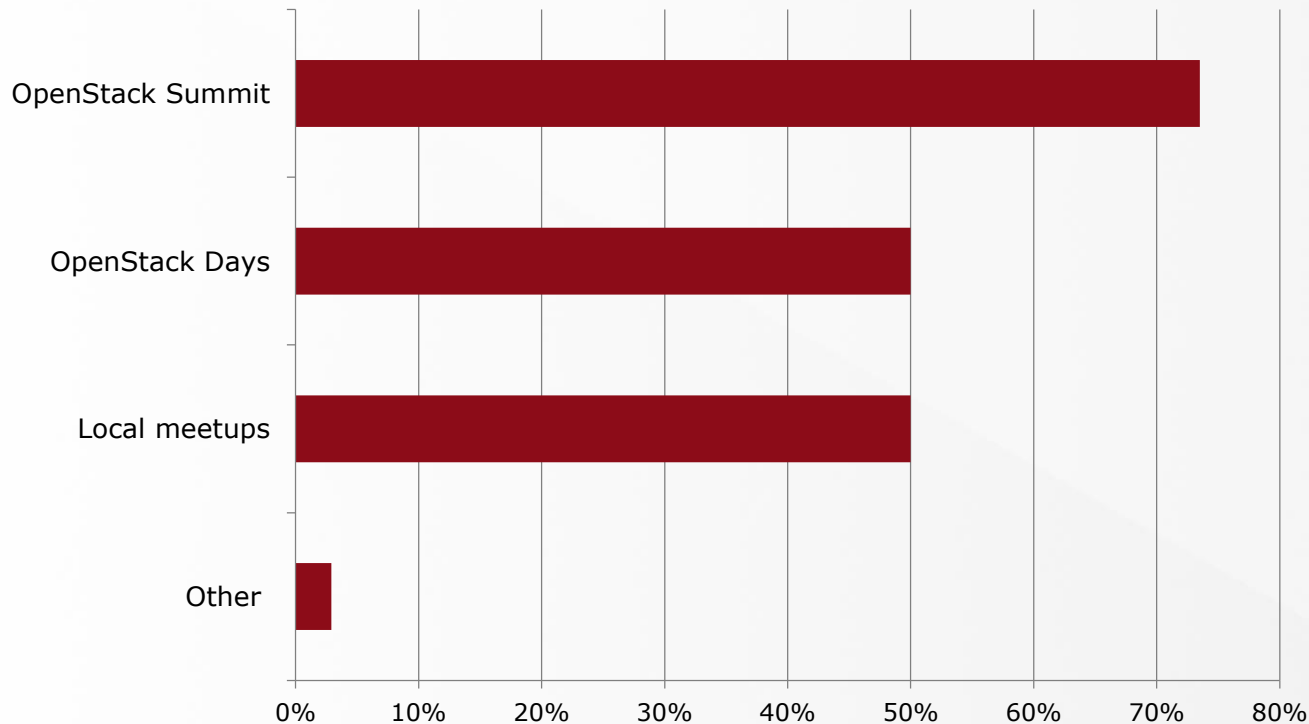
Source: Heavy Reading service provider survey, August 2016, n=41

# OpenStack project contributions



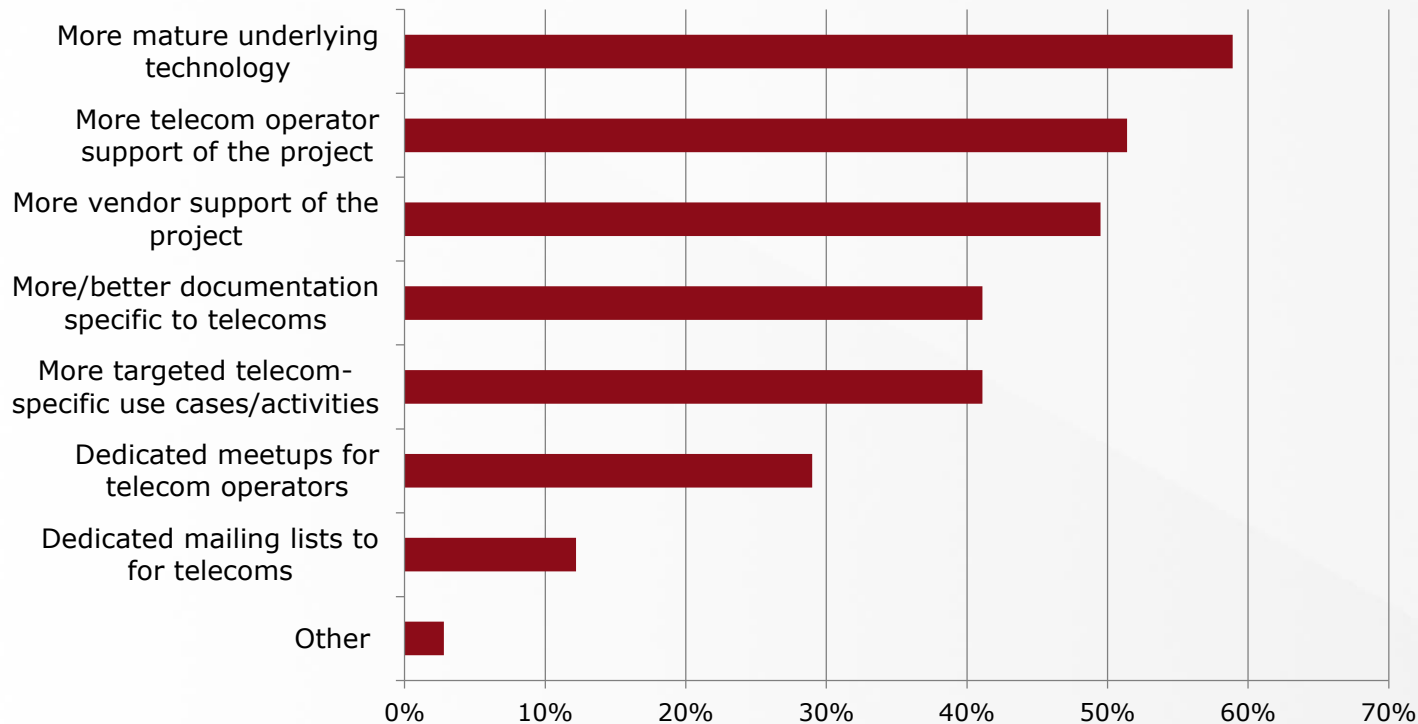
Source: Heavy Reading service provider survey, August 2016, n=26

# OpenStack event participation



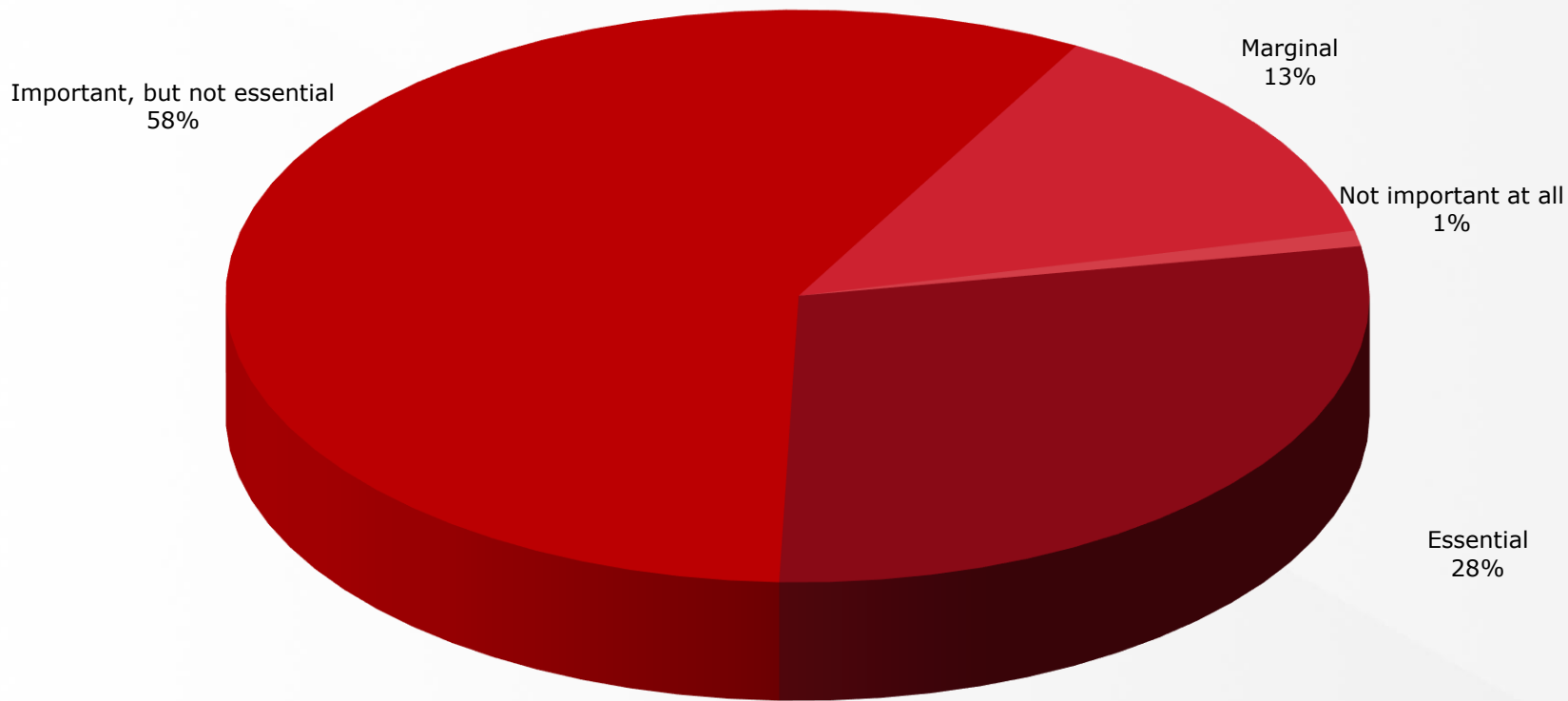
Source: Heavy Reading service provider survey, August 2016, n=30

# How to increase engagement



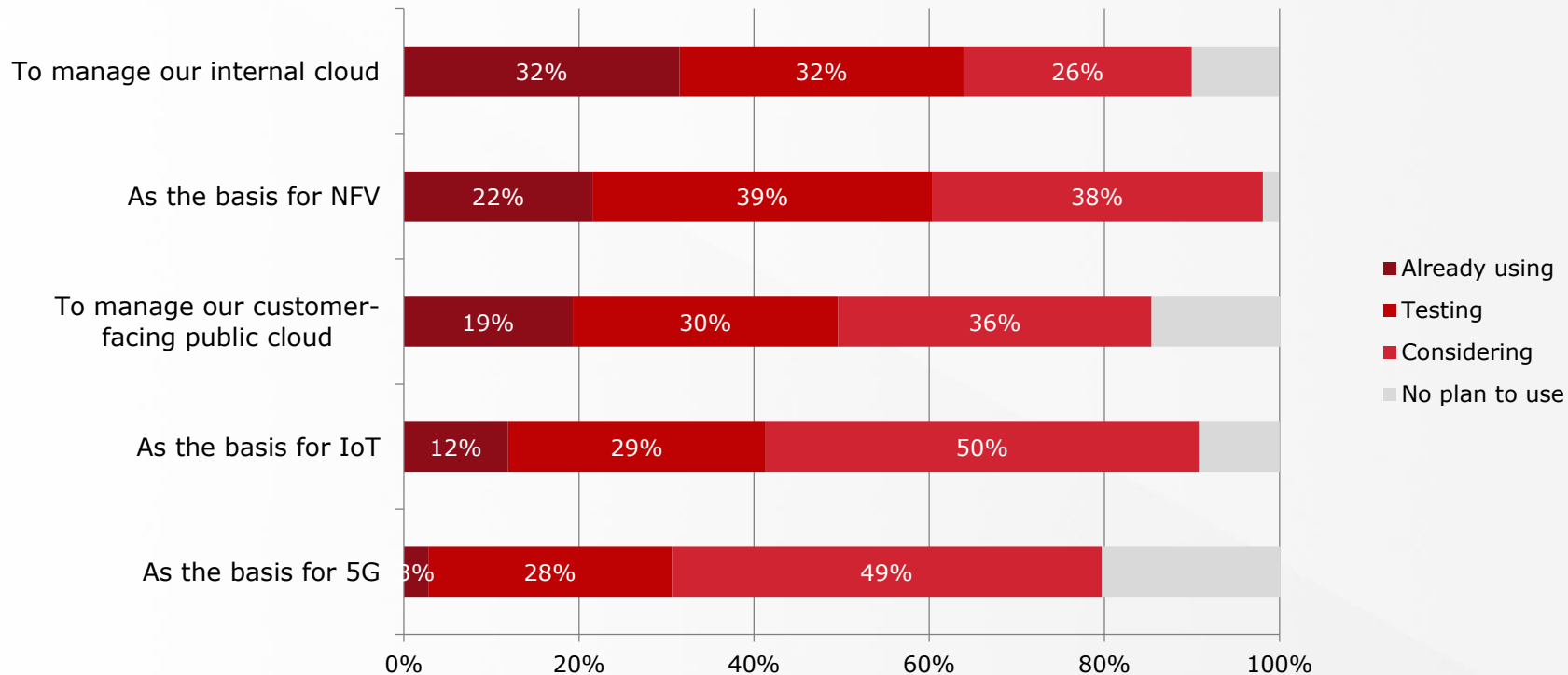
Source: Heavy Reading service provider survey, August 2016, n=107

# Importance of OpenStack



Source: Heavy Reading service provider survey, August 2016, n=113

# OpenStack usage by service type



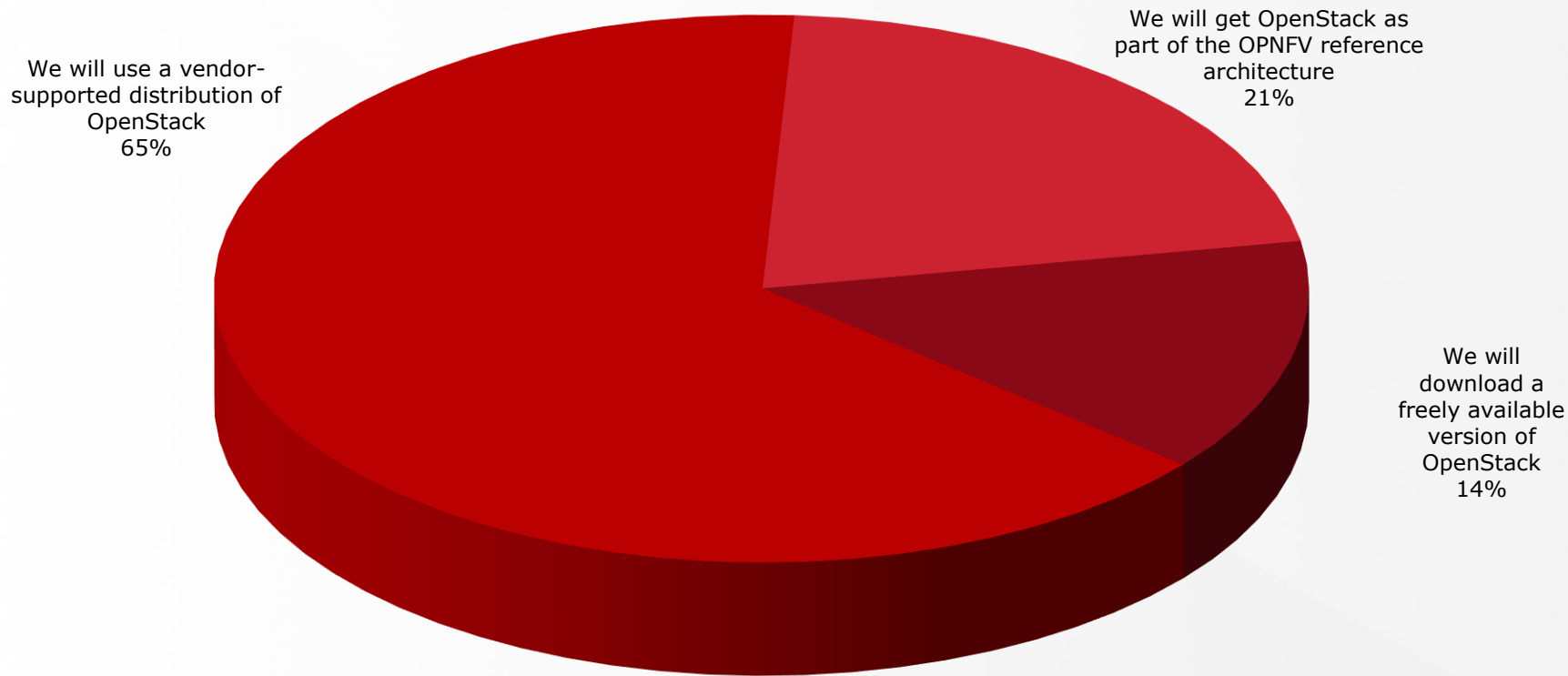
Source: Heavy Reading service provider survey, August 2016, n=108-111



# OpenStack benefits by service type

	To manage our internal cloud	To manage our customer-facing public cloud	As the basis for NFV	As the basis for IoT	As the basis for 5G	Other
Respond to changing service demand	39%	37%	39%	41%	36%	4%
Offer new services more quickly	53%	62%	54%	52%	48%	3%
More rapid virtualization of the data center	44%	34%	50%	41%	35%	2%
Reduced software costs	43%	39%	49%	31%	29%	2%
Reduced operational costs	43%	42%	43%	34%	41%	2%

# OpenStack procurement



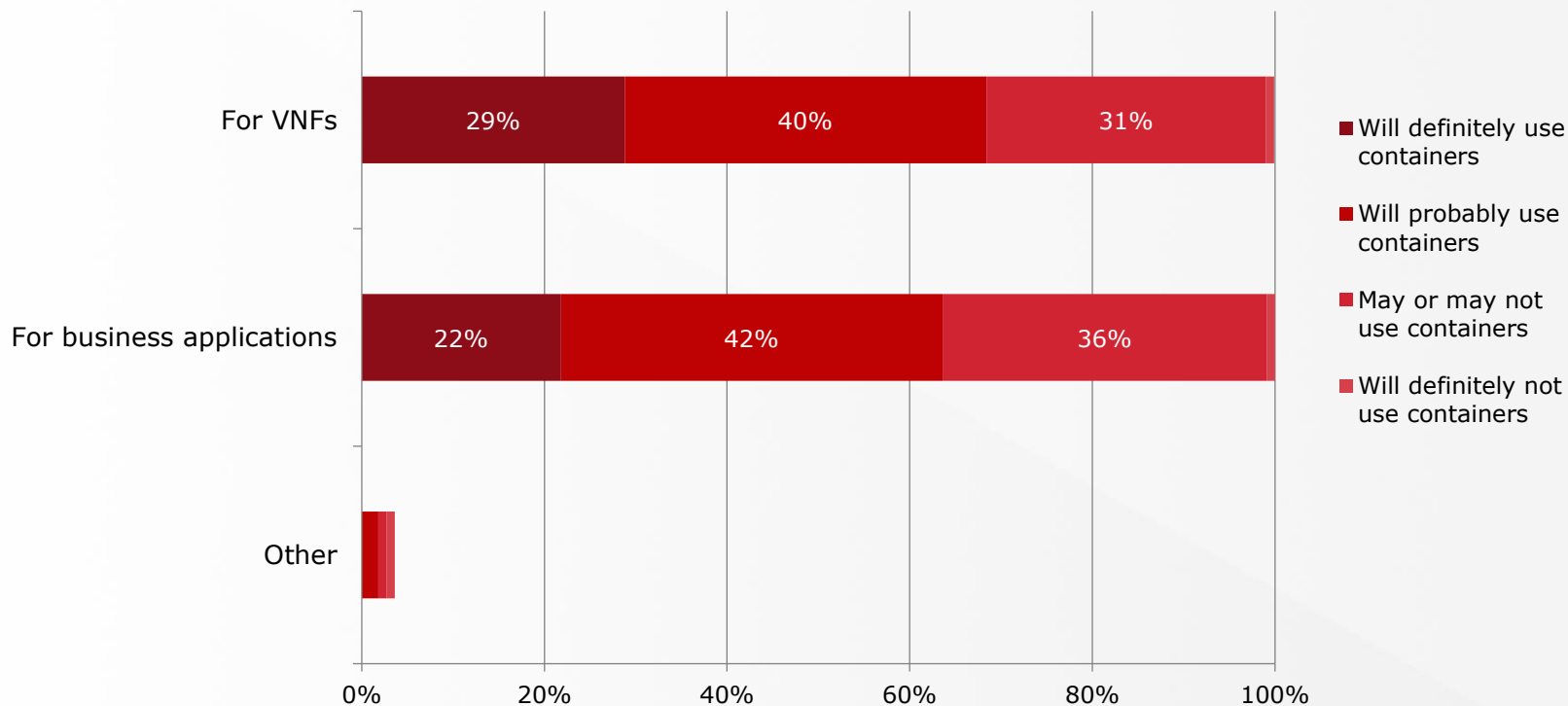
Source: Heavy Reading service provider survey, August 2016, n=108

# Making OpenStack NFV-ready

Item	Score*	Overall Rank
Scalability of the controller(s)	103	1
Service chain modification	74	2
Securing OpenStack over the Internet	61	3
Backward compatibility between releases	35	4
Binding virtual NICs to VNFs	28	5
Start-up storms (or stampedes)	10	6

\*Score is a weighted calculation. Items ranked first are valued higher than the following ranks, the score is the sum of all weighted rank counts.

# Container usage by service type



Source: Heavy Reading service provider survey, August 2016, n=110-111

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# Questions?