위드이노베이션

클라우드 도입기

대한민국 1등 종합숙박앱

여기어때.

HOTELTIME

특급호텔 남은객실 80% 할인

윤진석

Trend transition

Web의 변화: HTMLs → Apps
소프트웨어 산업의 변화: Software → Service

Trend transition

Web의 변화: HTMLs → Apps
소프트웨어 산업의 변화: Software → Service

Hosting → Clouds
Programming Paradigm → Microservice & Serverless

여기어때 모바일 서비스 백엔드 시스템은

평균 동시 접속자 2 ~ 4,000 명
월 평균 100,000,000 페이지뷰 (PV)

그리고 모바일 서비스의 특징은?
GPS와 휴대성, 그리고 실시간성

모바일 서비스 때문에 Realtime Database의 출현
Google's Firebase, RethinkDB, PouchDB, ...

우리는 왜 클라우드로 마이그레이션 했나?

확장성, 실시간성, 안정성을 고려한
인프라 확보는 고급 노하우와 많은 리소스가 필요했
..

근데 클라우드가 뭐냐? 가상화 기술

오프라인 쇼핑몰: 상품이 늘리거나 고객이 증가하면?

이러한 쇼핑몰이 가상화 된다면?

확장성, 실시간성, 안정성

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs	Key Name	Monitoring	Launch Time	Security Groups
WIT	i-011b6e734c9cdd...	c4.xlarge	ap-northeast-2c	running	2/2 checks...	None	e		-		enabled	June 28, 2017 at 8:52:30 P...	default
Had	i-019a635a46fd6d...	t2.medium	ap-northeast-2a	running	2/2 checks...	None			-		disabled	April 27, 2017 at 9:21:01 A...	hadoop, default
WIT	i-01bcd9ba84c02a...	m4.large	ap-northeast-2a	running	2/2 checks...	None			-		enabled	June 29, 2017 at 2:31:52 P...	default
WIT	i-02005d75139966...	m4.xlarge	ap-northeast-2a	running	2/2 checks...	None			-		enabled	July 6, 2017 at 3:17:47 PM...	default
WIT	i-030922f4aaca73...	c4.xlarge	ap-northeast-2a	running	2/2 checks...	None	e		-		enabled	June 28, 2017 at 5:26:25 P...	default
WIT	i-03201ad8653fbb...	m4.large	ap-northeast-2a	running	2/2 checks...	None			-		enabled	July 2, 2017 at 6:20:26 PM...	default
WIT	i-042081c25891a4...	c4.xlarge	ap-northeast-2c	running	2/2 checks...	None			-		enabled	June 29, 2017 at 4:56:44 P...	default
WIT	i-04ad192bb75954...	m4.xlarge	ap-northeast-2a	running	2/2 checks...	None			-		enabled	June 28, 2017 at 3:45:31 P...	with-vpc-www-sg
WIT	i-04c873f8fc94d89...	m4.large	ap-northeast-2a	running	2/2 checks...	None			-		enabled	June 28, 2017 at 1:13:16 P...	default
WIT	i-04ebe60338851f...	m4.2xlarge	ap-northeast-2a	running	2/2 checks...	None			-		enabled	July 6, 2017 at 4:37:36 PM...	with-vpc-waf-sg
WIT	i-0503472750e26c...	t2.nano	ap-northeast-2a	running	2/2 checks...	None			-		enabled	June 21, 2017 at 1:15:21 P...	default
WIT	i-05ebbcaac06a49...	m4.large	ap-northeast-2a	running	2/2 checks...	None			-		enabled	June 14, 2017 at 2:01:15 P...	default
WIT	i-05fc5309cbd3e12...	c4.xlarge	ap-northeast-2a	running	2/2 checks...	None			-		enabled	June 29, 2017 at 1:49:32 P...	default
WIT	i-06768dc5761696...	t2.medium	ap-northeast-2a	running	2/2 checks...	None			-		enabled	June 21, 2017 at 9:45:37 A...	default
WIT	i-06d01b762bb13f...	m4.large	ap-northeast-2a	running	2/2 checks...	None			-		enabled	July 7, 2017 at 6:51:56 PM...	default
WIT	i-06e9193650bc59...	c4.xlarge	ap-northeast-2a	running	2/2 checks...	None			-		enabled	June 29, 2017 at 8:32:17 P...	default
Had	i-0703880d7fd7a6...	t2.medium	ap-northeast-2a	running	2/2 checks...	None			-		disabled	April 27, 2017 at 9:21:01 A...	hadoop, default
Del	i-079c2e24f2111e8...	m4.xlarge	ap-northeast-2a	stopped		None			-		disabled	June 20, 2017 at 4:37:18 P...	default
Had	i-07e576dc896ae8...	t2.medium	ap-northeast-2a	running	2/2 checks...	None			-		disabled	April 27, 2017 at 9:21:01 A...	hadoop, default
WIT	i-0890e4b5ba9d64...	m4.xlarge	ap-northeast-2a	running	2/2 checks...	None			-		enabled	July 3, 2017 at 7:59:04 PM...	default
Del	i-089604b42607b3...	m4.4xlarge	ap-northeast-2a	running	2/2 checks...	None			-		enabled	June 29, 2017 at 2:38:47 P...	default
점검	i-0902bc6785df64...	t2.micro	ap-northeast-2c	running	2/2 checks...	None			-		disabled	June 15, 2017 at 4:18:49 P...	office, idc
WIT	i-091909fd52919f7...	m4.large	ap-northeast-2c	running	2/2 checks...	None			-		enabled	June 29, 2017 at 11:36:45 ...	default
Del	i-09decf8fe8ae554...	m4.xlarge	ap-northeast-2c	stopped		None			-		enabled	June 22, 2017 at 5:22:00 P...	default
WIT	i-0a3a9dc49a4644...	m4.xlarge	ap-northeast-2a	running	2/2 checks...	None	e		-		enabled	June 19, 2017 at 3:25:54 P...	default
WIT	i-0b444e4a10b1a3...	t2.medium	ap-northeast-2a	running	2/2 checks...	None			-		enabled	July 8, 2017 at 4:20:43 PM...	default
Had	i-0bf8aef8d6b6bae...	t2.medium	ap-northeast-2a	running	2/2 checks...	None			-		disabled	April 27, 2017 at 9:21:01 A...	hadoop, default
WIT	i-0db52ea13fd50b...	c4.xlarge	ap-northeast-2a	running	2/2 checks...	None			-		enabled	June 26, 2017 at 8:48:29 P...	default
WIT	i-0e22701486e571...	m4.large	ap-northeast-2a	running	2/2 checks...	None			-		enabled	July 7, 2017 at 2:05:20 PM...	default
WIT	i-0ea88b199d0289...	m4.large	ap-northeast-2a	running	2/2 checks...	None			-		enabled	July 3, 2017 at 1:47:48 PM...	default
WIT	i-0f332b67d116114...	c4.xlarge	ap-northeast-2a	running	2/2 checks...	None			-		enabled	June 29, 2017 at 9:02:29 P...	default
WIT	i-0f5e35d012602b...	m4.xlarge	ap-northeast-2a	running	2/2 checks...	None	e		-		enabled	June 29, 2017 at 11:00:23 ...	default
WIT	i-0f81e7e193694d...	m4.large	ap-northeast-2a	stopped		None			-		enabled	June 14, 2017 at 11:05:17 ...	default
WIT	i-0f85d25dc6d12c3...	m4.xlarge	ap-northeast-2a	running	2/2 checks...	None	e		-		enabled	July 3, 2017 at 8:01:47 PM...	default
Had	i-0f97ad4a0ee9bd...	t2.medium	ap-northeast-2a	running	2/2 checks...	None	e		-		disabled	April 27, 2017 at 9:21:01 A...	hadoop, default

회사 퍼블릭 프라이빗 전체 클라우드로 100% 이전

클로닝, 절체 까지 2개월 소요 ... 최적화는 롱텀 과제