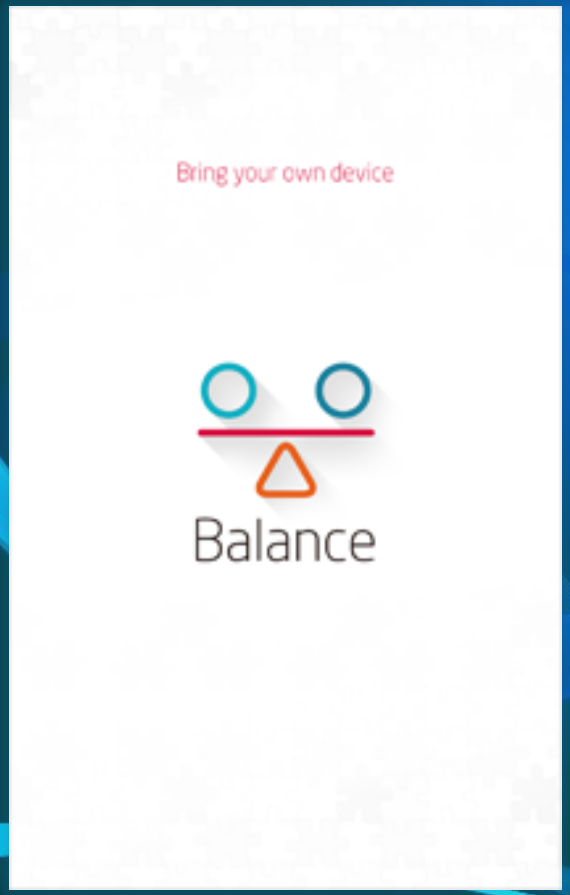


BYOD를 위한 모바일 가상화 솔루션

Balance

NEXDIGM

Balance

CONTENTS

Ⅰ “BYOD 솔루션” 개요

Ⅱ “모바일 가상화 솔루션 : Balance”소개

Ⅲ “Android 애플리케이션”소개

NEXDiGM

Balance

"고객 Needs 와 관련 시장 동향을 고려한 모바일 디바이스 내

업무환경과 비업무환경의 분리,

모바일 가상화 상품화 개발대응"

Balance 서버

MDM, PUSH, 3rd Party I/F

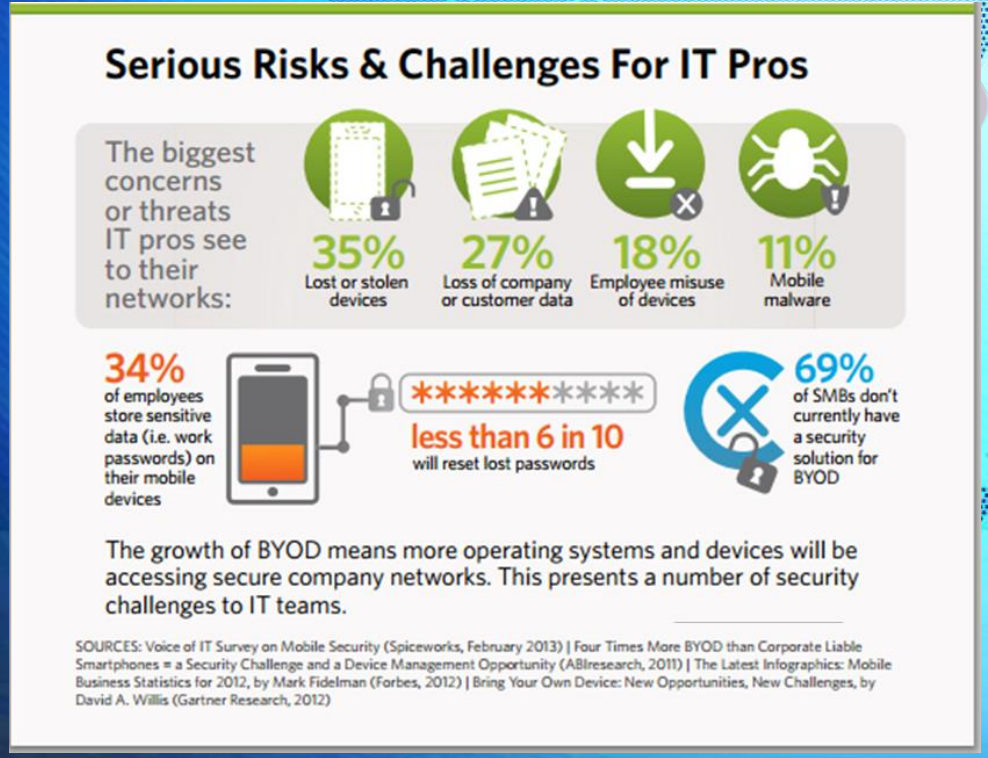
Balance 클라이언트

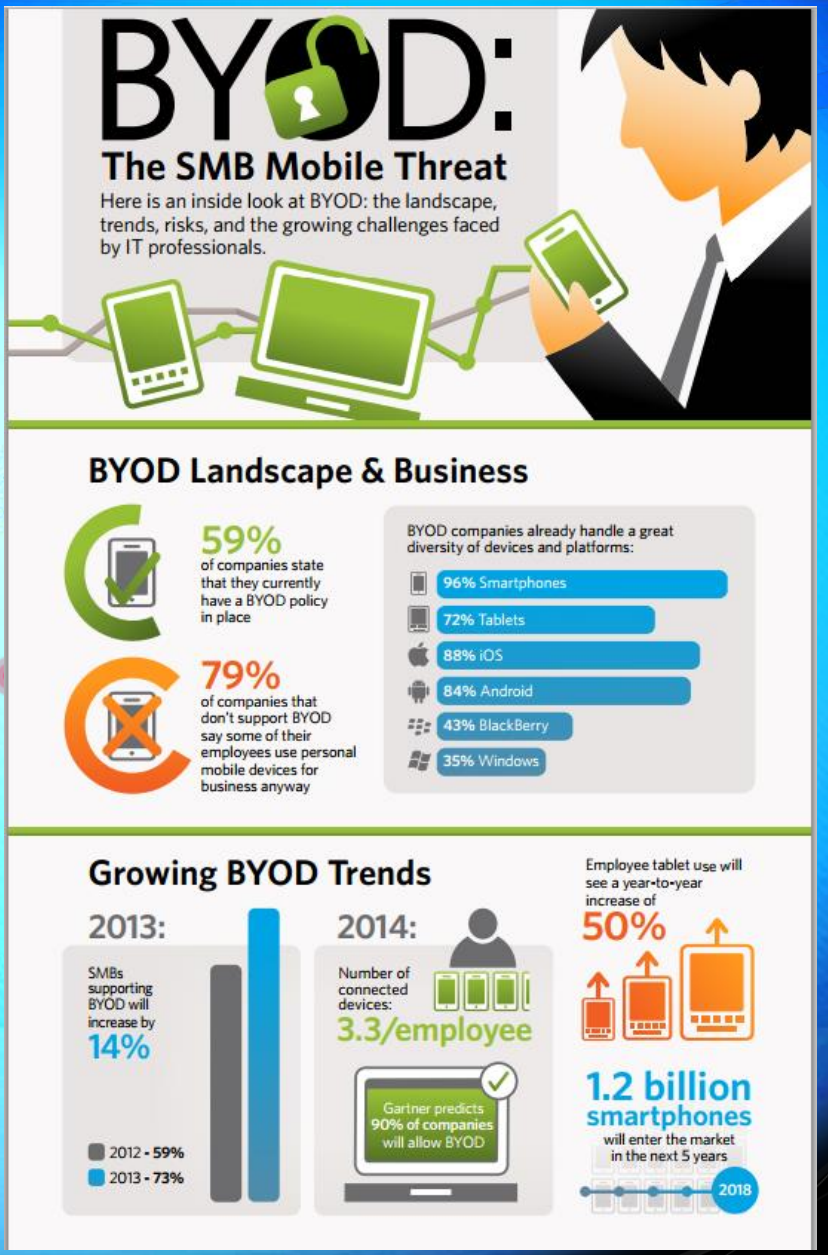
플랫폼 특성에 맞는 컨테이너
기업 모바일 앱(오피스) 연계

관리자 콘솔 / 솔루션 보안기능

구축형, SaaS형 관리콘솔 지원
SSL, 무결성 관리 모듈

MOBILE APP USERS' TOP 3 ACTIVITIES
VIEWING REPORTS
TRIAGING TICKETS
SCANNING QUEUES
SOURCE: ZENDESK
zendesk


Serious Risks & Challenges For IT Pros
The biggest concerns or threats IT pros see to their networks:
35% Lost or stolen devices
27% Loss of company or customer data
18% Employee misuse of devices
11% Mobile malware
34% of employees store sensitive data (i.e. work passwords) on their mobile devices
****
less than 6 in 10 will reset lost passwords
69% of SMBs don't currently have a security solution for BYOD
The growth of BYOD means more operating systems and devices will be accessing secure company networks. This presents a number of security challenges to IT teams.
SOURCES: Voice of IT Survey on Mobile Security (Spiceworks, February 2013) | Four Times More BYOD than Corporate Liable Smartphones = a Security Challenge and a Device Management Opportunity (ABIresearch, 2011) | The Latest Infographics: Mobile Business Statistics for 2012, by Mark Fidelman (Forbes, 2012) | Bring Your Own Device: New Opportunities, New Challenges, by David A. Willis (Gartner Research, 2012)


BYOD:
The SMB Mobile Threat
Here is an inside look at BYOD: the landscape, trends, risks, and the growing challenges faced by IT professionals.
BYOD Landscape & Business
59% of companies state that they currently have a BYOD policy in place
79% of companies that don't support BYOD say some of their employees use personal mobile devices for business anyway
BYOD companies already handle a great diversity of devices and platforms:
96% Smartphones
72% Tablets
88% iOS
84% Android
43% BlackBerry
35% Windows
Growing BYOD Trends
2013:
SMBs supporting BYOD will increase by 14%
2012 - 59%
2013 - 73%
2014:
Number of connected devices:
3.3/employee
Gartner predicts 90% of companies will allow BYOD
Employee tablet use will see a year-to-year increase of 50%
1.2 billion smartphones will enter the market in the next 5 years
2018

I "BYOD 솔루션"개발배경

Balance

FACTOID 77% of workers from more than 4,000 organizations state that mobile devices are important to achieving their business goals[1]

SECURITY POLICY?

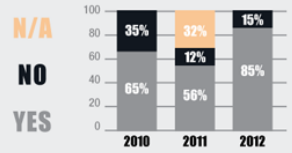
Does your organization have a mobile device security policy?[2]

48% OF IT EMPLOYEES Use whatever smart phone they want for work purposes.[3]

MOBILE DEVICES WITH GREATEST SECURITY RISK

RANKINGS ACCORDING TO IT PROFESSIONALS[2]

FACTOID According to a survey of 1,400 CIOs, only 33% of technology executives allow employees to access company networks with personal devices.[4]



ENFORCEMENT?

Does your organization enforce a mobile device security policy?[2]

"The surge in BYOD has IT departments scrambling to make sure their networks can securely accommodate these devices. IT departments realize that BYOD is here to stay, so they are buckling down and deciding on policies that determine how these devices can be managed with an acceptable level of risk."

– Lamar Bailey, director of security research and development for nCircle

SOCIAL MEDIA POLICY?[2]

Organizations that have a social media policy

Less than half
More than half
Don't know

Percentage of employees that comply with organizations' social media policy[2]

Mobile Device Security has eclipsed social media concerns

24% OF ADULT EMPLOYEES use their smartphones to access and/or store company information.[5]

Does your organization adequately

ENFORCE INTERNAL SECURITY POLICY?[2]

FACTOID 44% of 1,500 IT professionals believe that BYOD issues "divert attention from other important IT projects".[6]

"BYOD is just the most recent security issue to disrupt IT networks, and the response process is the same. Every IT department needs to get out ahead of the tidal wave of mobile devices by building a company plan that identifies and controls BYOD risks. If you haven't done this yet, do it now."

– Andrew Storms, director of security operations for nCircle

1. http://www.cm.com/slide-shows/mobility/232601886
2. http://www.ncircle.com/index.php?s=resources_surveys_Mobile-Security
3. http://blogs.forrester.com/doug_washburn
4. Network World Digital Spotlight
5. http://blog.eset.com/2012/28/sizing-up-the-byod-security-challenge
6. http://www.zdnet.com/blog/consumerization/byod-busted

스마트 폰 가상화 보안의 “가용성 및 상호 운용성”를 실현하다.

1 **Workspace** Business 모드와 Private 모드 분리
사용자 Device 상태관리, 모드별 정책관리

2 **Security** 단말 보안관리 Security Manager
데이터 암복호화

3 **Management** 메시징 Control, Push manager
보안 및 관리기능

4 **Extend** Active Zone based Launcher, App Wrapper SDK
상호 운용성 지원, SDK제공 및 능동적 모드 변환

시장 변화대응 “B2B 보안솔루션 리딩” 으로 MDM 시장 재편성

현재 BYOD 솔루션

VDI / HDV 하드웨어가상화	Containerization 앱 컨테이너	Hypervisors 다중OS 매니저	MDM 단말관리	Security 보안 및 무결성 관리

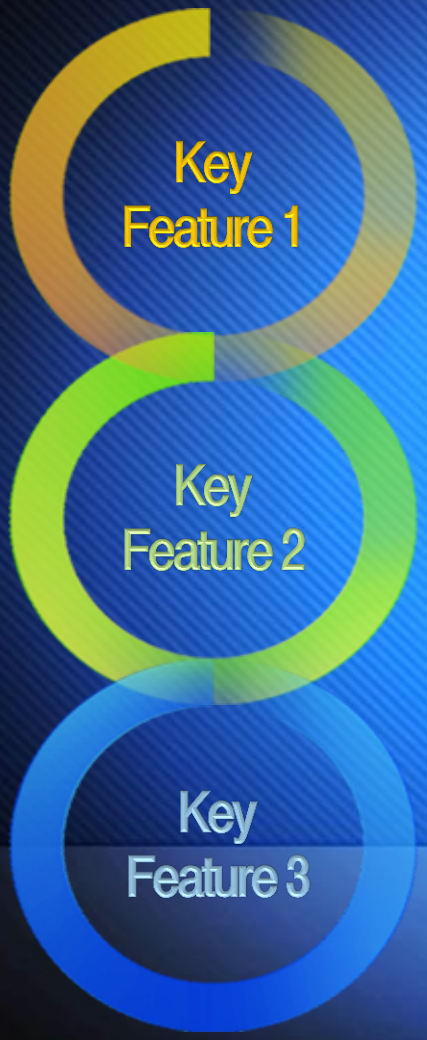
Balance

Balance의 앱 랩퍼(Wrapper)SDK를 통해 기존 B2B 솔루션과의 상호 운용성을 제공,
BYOD Initiative 확보로 Market enabler로서 Positioning

“B2B 보안시장 리더십 확보”

*HA: High-Available, Gov’t.: Government

BYOD 를 위한 NEXDIGM 의 차별화 포인트



- Type#3 Container 가상화를 지원하는 MDM, MAM 서비스

Active Zone based Switch Mode
존 기반 능동적 모드 변환을 지원하는 MDM. MAM

2013.2Q Balance 1.0 출시

- 상호운용성 및 가용성을 제공하는 서비스

앱 랩퍼(Wrapper) SDK 및 런처(Launcher) 지원
기 운영되는 서비스 및 앱의 효율적인 마이그레이션을 지원

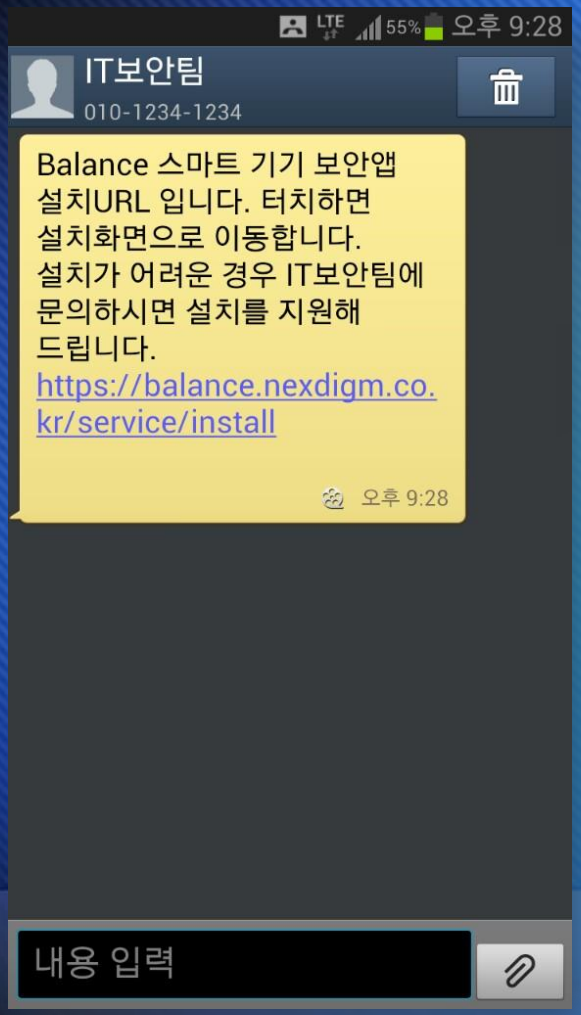
2013.3Q Balance 1.1 출시

- 향후 서비스 플랜

공공기관 보안적합성을 지원 하는 암호화 기능 지원
제조사 BYOD 지원

2014.2Q Balance 2.0 예정

01 Balance 설치



1 다운로드 URL 수신

- SMS 방식으로 App. 다운로드 URL 수신, 접속

3 Balance 앱 설치

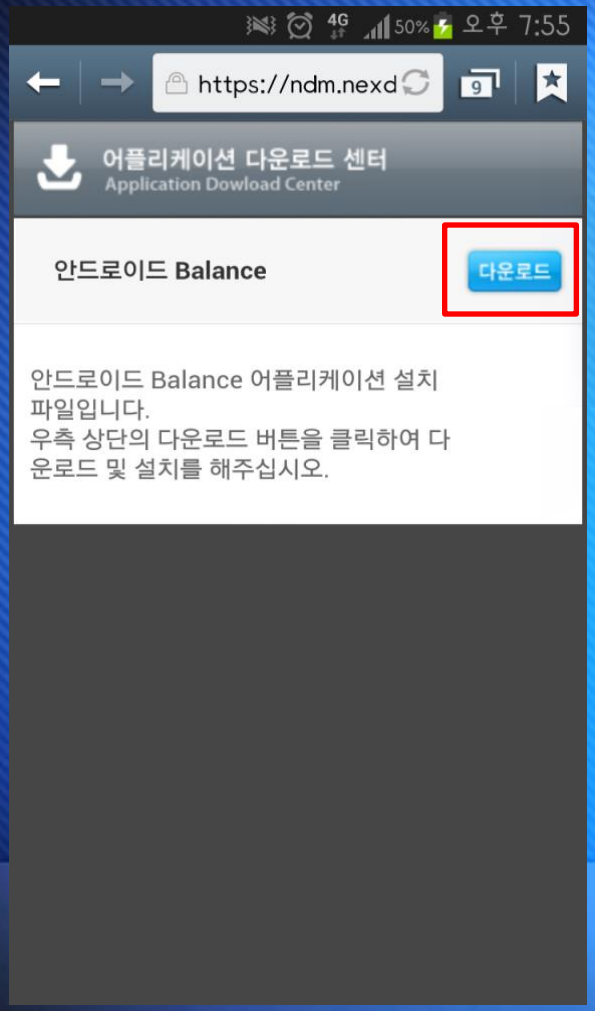
4 Balance 실행 / 가입

5 홈 화면 설정

6 패턴 및 암호입력

7 필수 앱 설치

01 Balance 설치



1 다운로드 URL 수신

2 접속 후 다운로드/ 설치

- **다운로드 페이지 접속 후 설치버튼 실행**

4 Balance 실행 / 가입

5 홈 화면 설정

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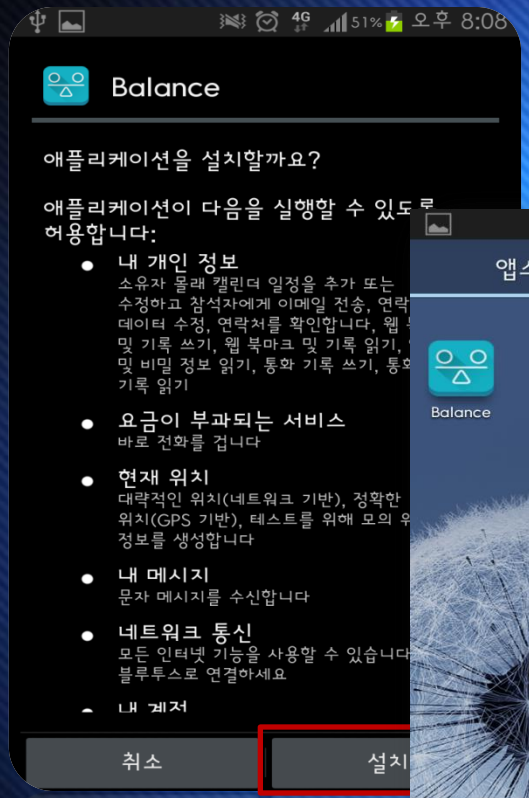
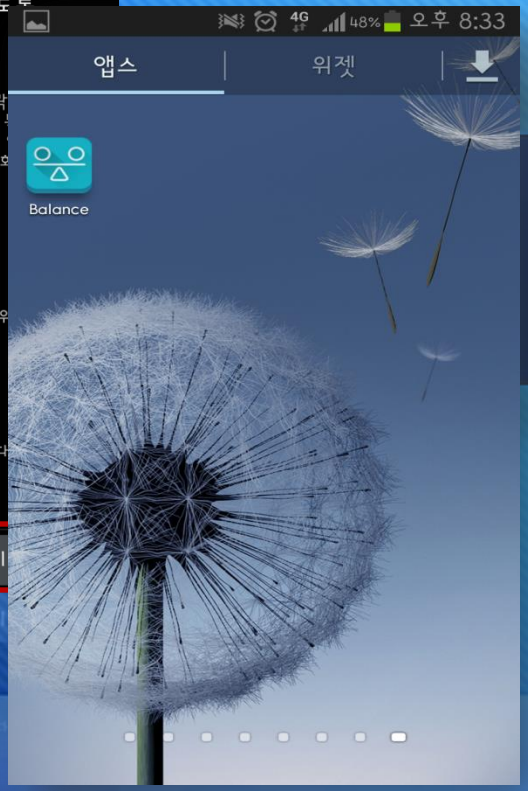
7 필수 앱 설치

01 Balance 설치





1 다운로드 URL 수신

2 접속 후 다운로드 설치

3 Balance 앱 설치

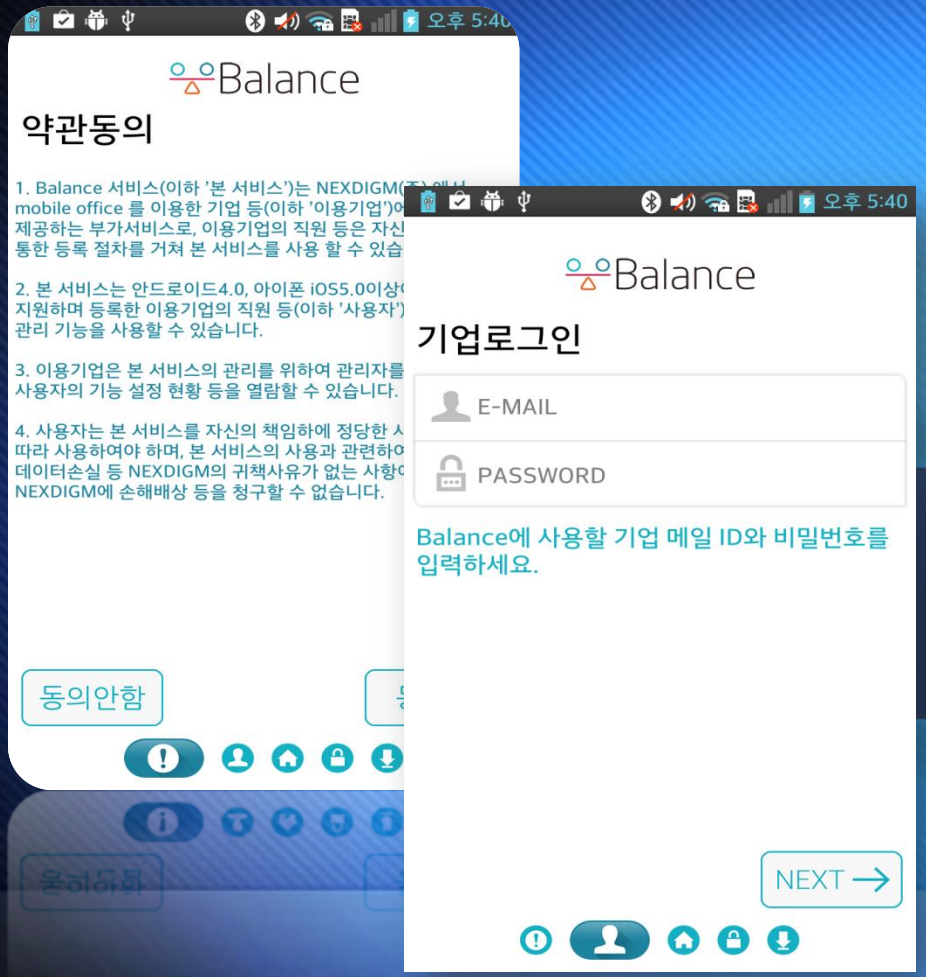
- Balance 애플리케이션 설치

5 홈 화면 설정

6 패턴 및 암호입력

7 필수 앱 설치

01 Balance 설치



1 다운로드 URL 수신

2 접속 후 다운로드 설치

3 Balance 앱 설치

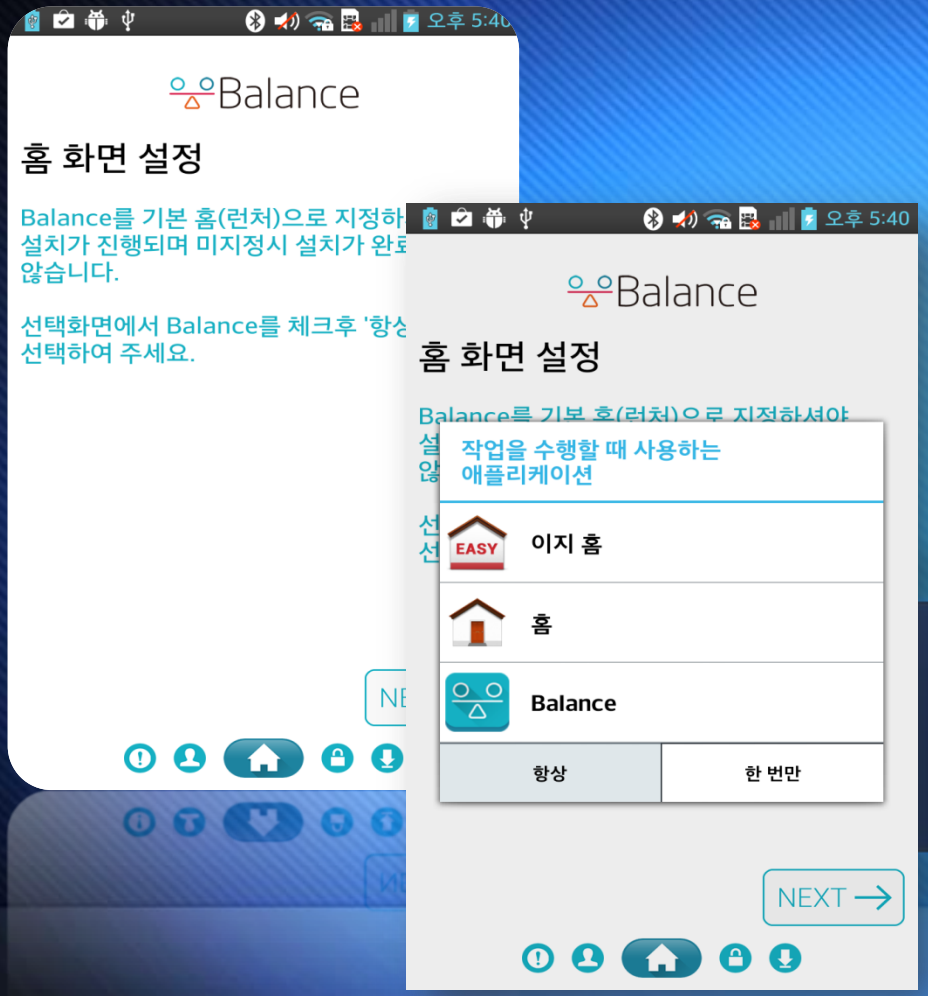
4 Balance 실행 후 가입

- 가입화면 – 약관동의, ID/PW 입력

6 패턴 및 암호입력

7 필수 앱 설치

01 Balance 설치



1 다운로드 URL 수신

2 접속 후 다운로드 설치

3 Balance 앱 설치

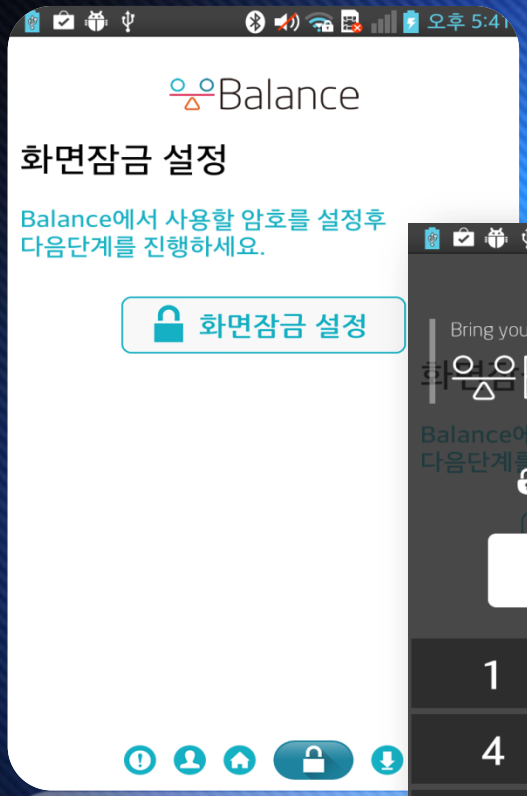
4 Balance 실행 / 가입

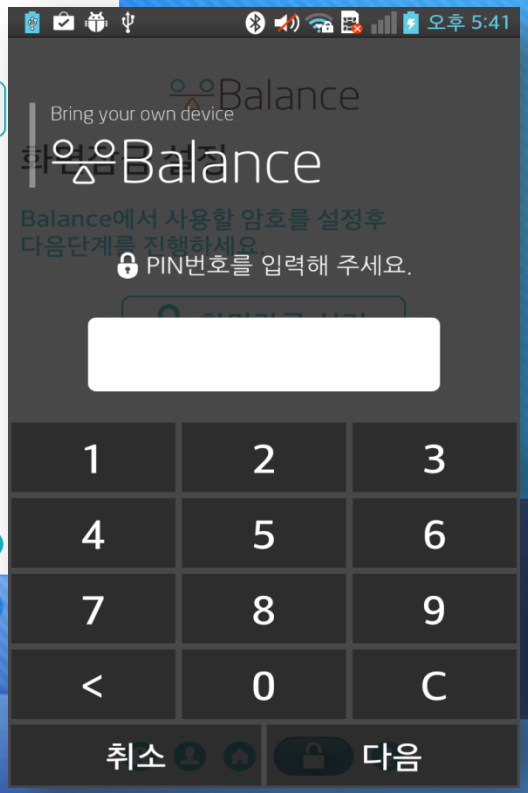
5 홈 화면 설정

- Balance 기본 홈으로 지정하여 설치 진행

7 필수 앱 설치

01 Balance 설치





1 다운로드 URL 수신

2 접속 후 다운로드 설치

3 Balance 앱 설치

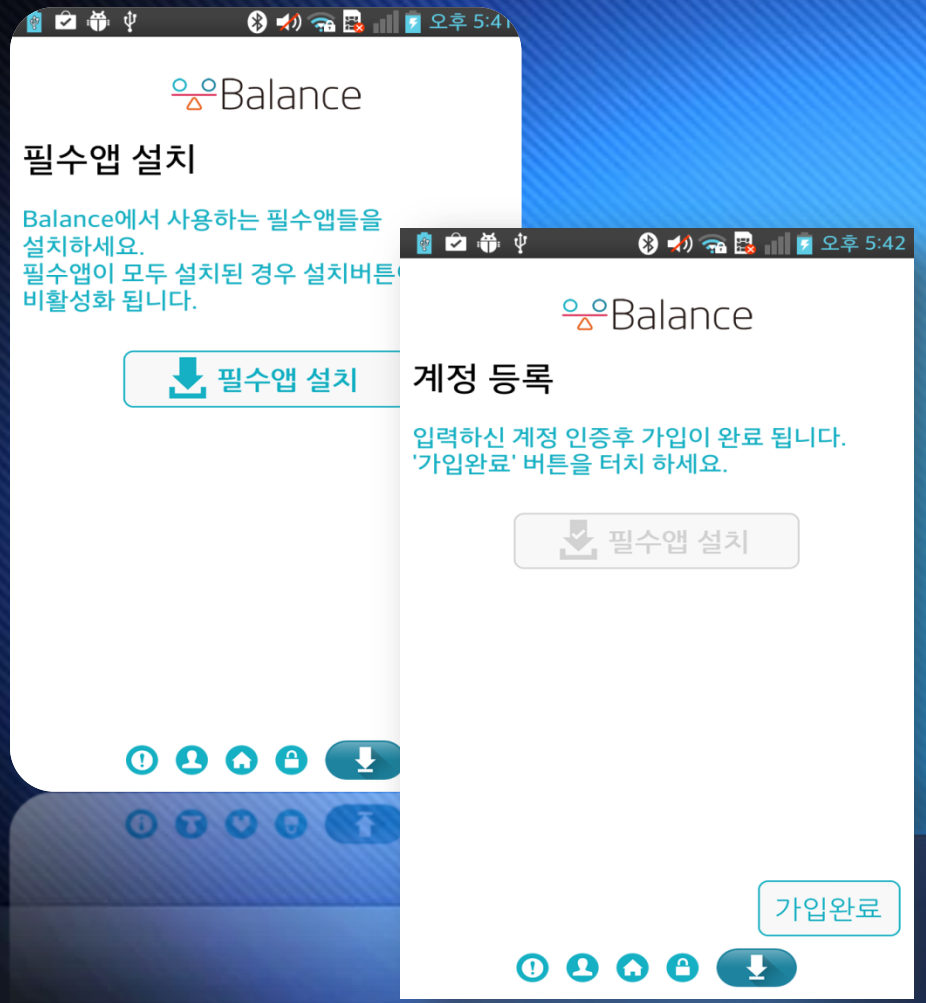
4 Balance 실행 / 가입

5 홈 화면 설정

6 패턴 또는 암호 입력

- 패턴 잠금 설정/ 재입력 또는 암호설정/ 재입력

01 Balance 설치



1 다운로드 URL 수신

2 접속 후 다운로드 설치

3 Balance 앱 설치

4 Balance 실행 / 가입

5 홈 화면 설정

6 패턴 및 암호입력

7 필수 앱 설치

- Balance 단말제어용 필수 애플리케이션 설치

NEXDIGM BYOD Solution
Balance

감 사 합 니 다.