

# DEV

18th December 2015

Connected Home Division

Intel Confidential

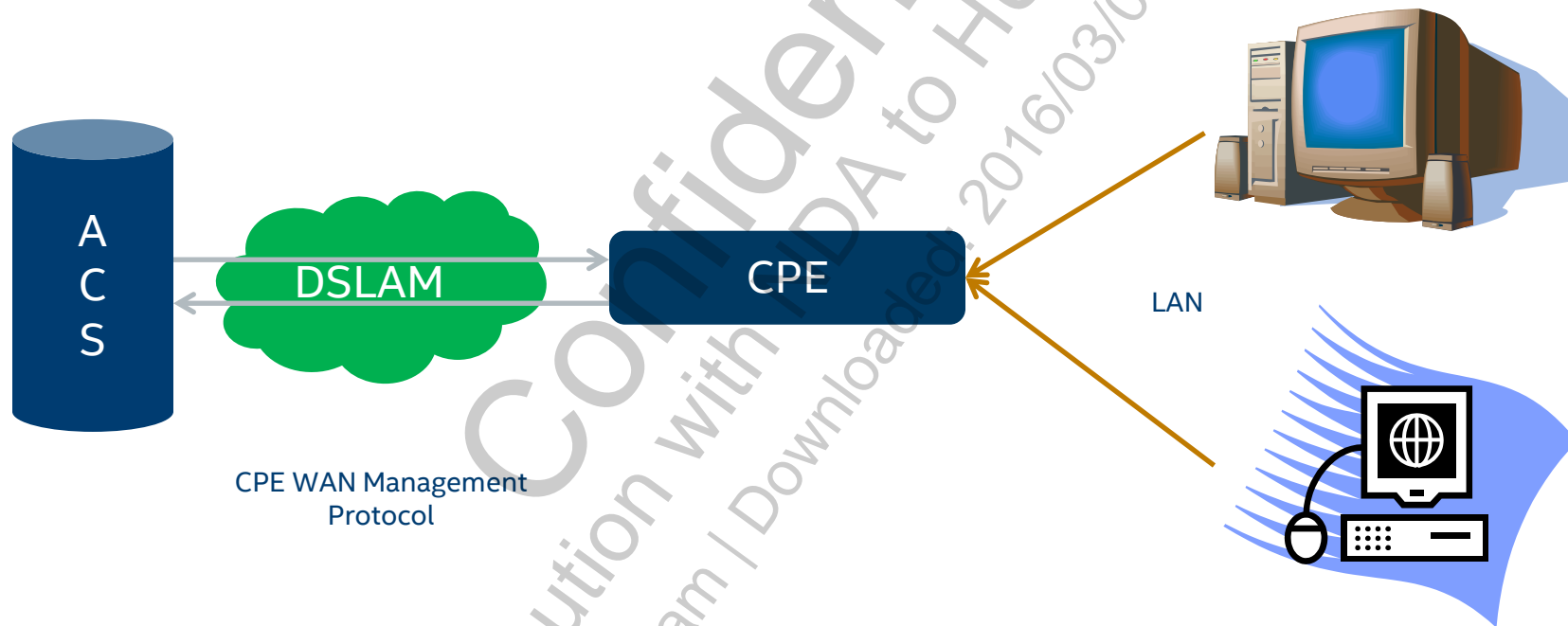


# Agenda

- **CWMP Overview**
- **Basic Protocol message exchange**
- **DevM Management Entity**
- **Interaction with other sub-systems**
- **Supported RPCs**
- **Notification mechanism – Active/Passive**
- **Access Control**

# CWMP - Overview

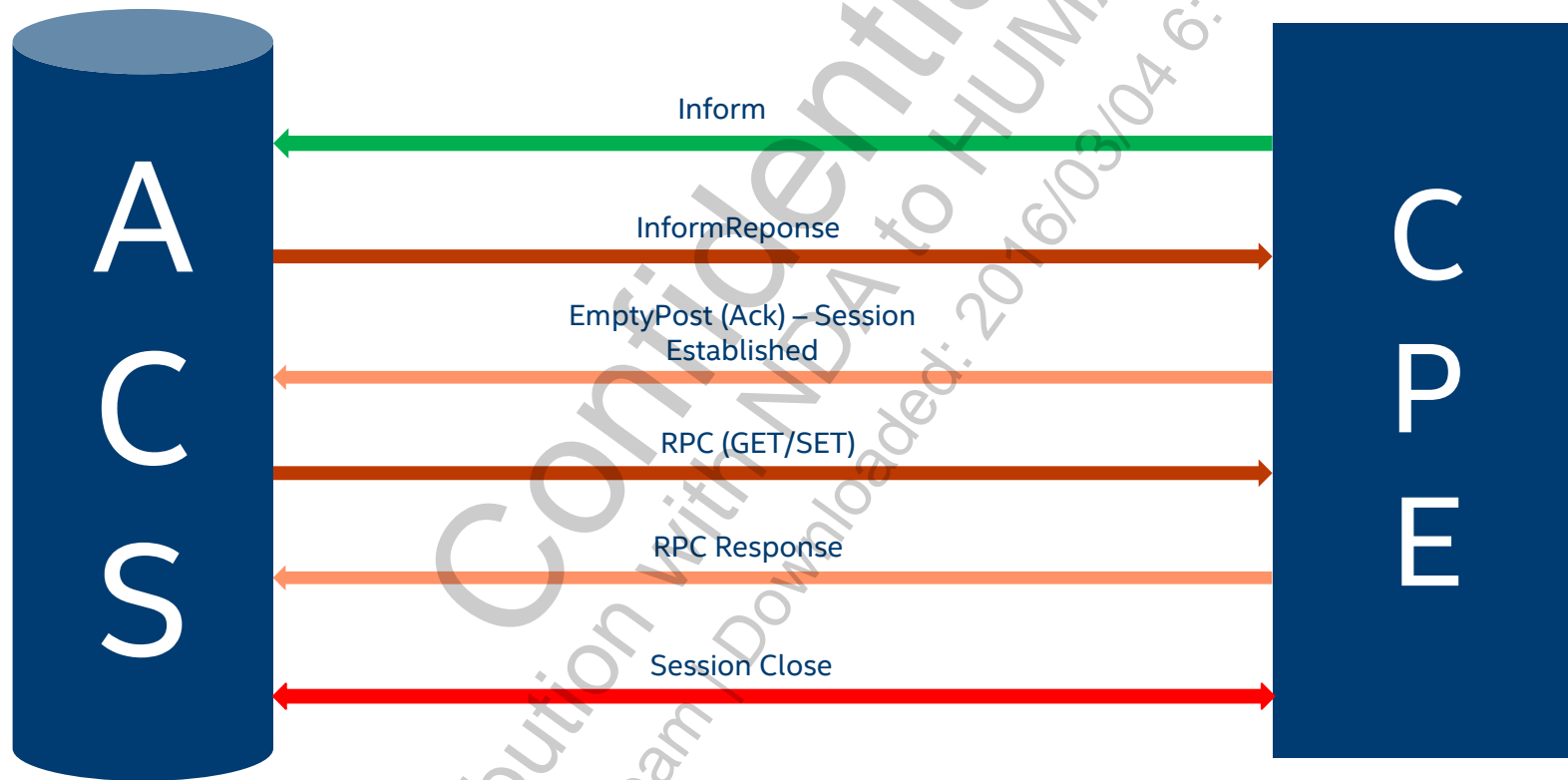
- TR-069 standard – CPE WAN Management Protocol (CWMP)



# CWMP – Overview Contd...

- Common framework for communication between a CPE and an Auto-Configuration Server (ACS)
  - Diagnostics
  - Status and performance monitoring
  - Parameter configuration
  - Software / Config file update
  - .....
- XML based message exchange

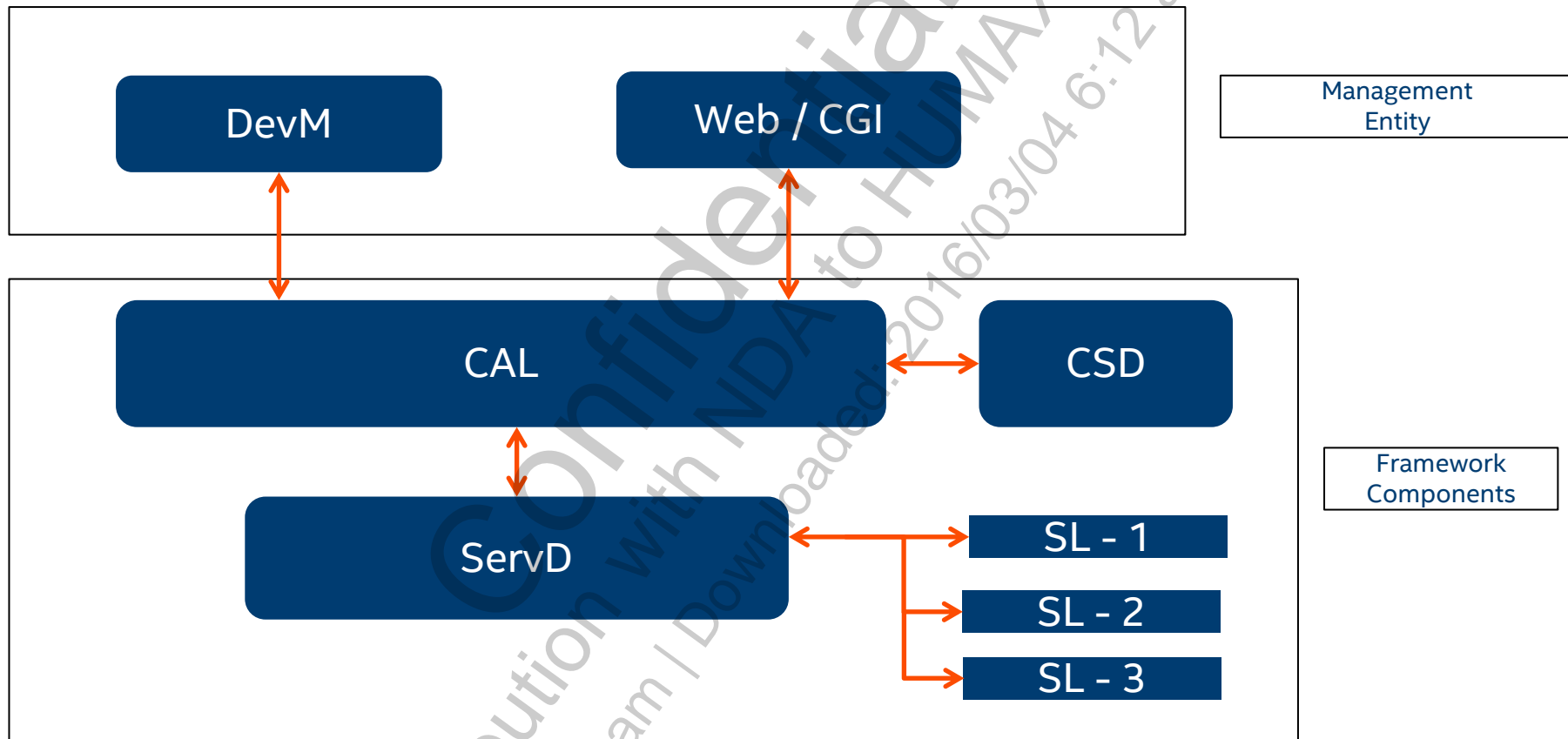
# Basic Protocol Message Exchange



# DevM Management Entity

- CWMP Application – DevM (DeviceManagement) Management Entity
- TR-069 client - supports HTTP and HTTPS
- Super-user of the device
- CWMP stack and data-model segregation. Stack is independent of the data model
- Coexistence with other management entities – Web, CLI

# Interaction with Other Sub-systems

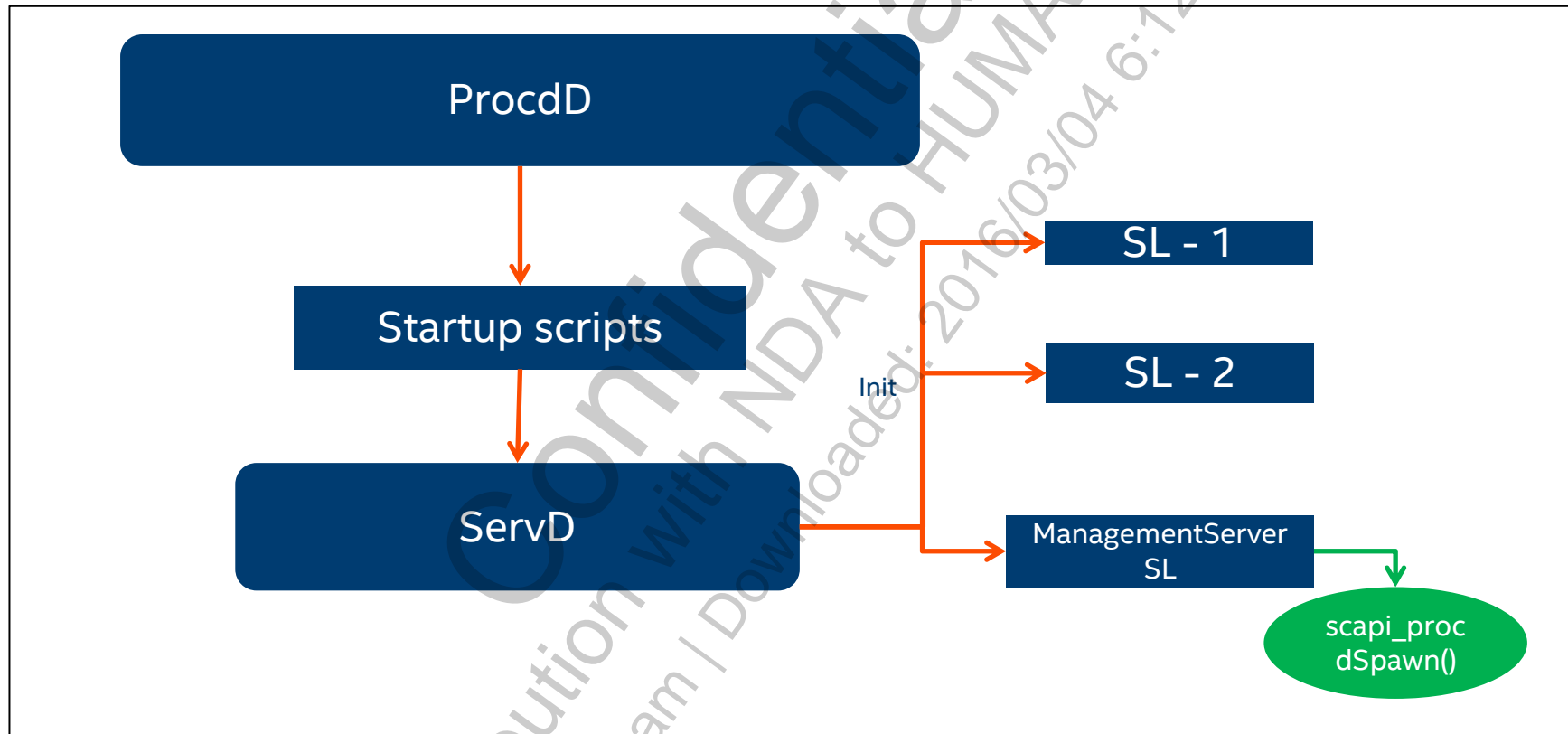


# Supported RPCs

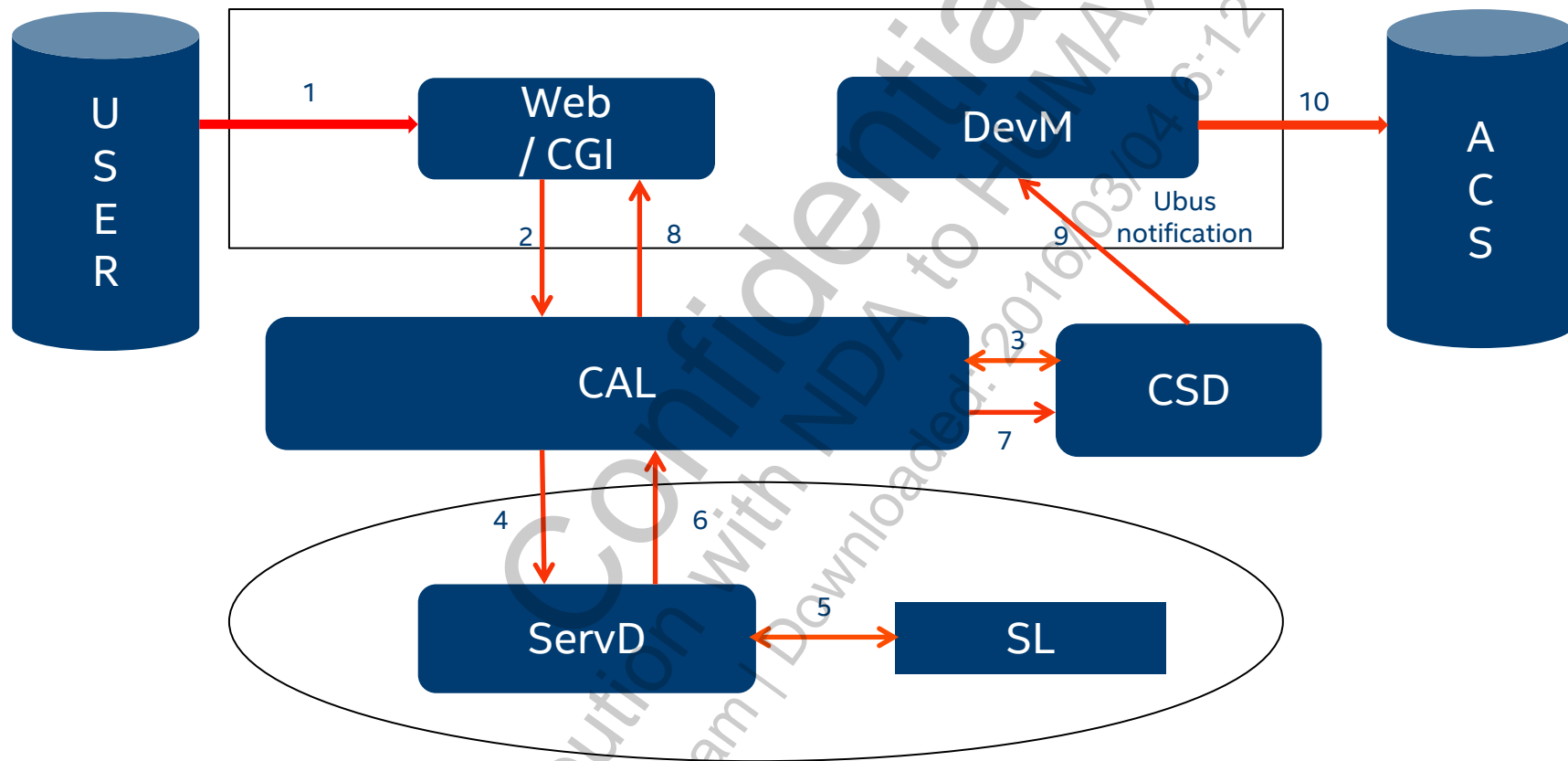
- **GetParameterNames**
- **GetParameterValues**
- **SetParameterValues**
- **GetParameterAttributes**
- **SetParameterAttributes**
- **AddObject**
- **DeleteObject**
- **Reboot**
- **FactoryReset**
- **Download – Firmware / Config File**



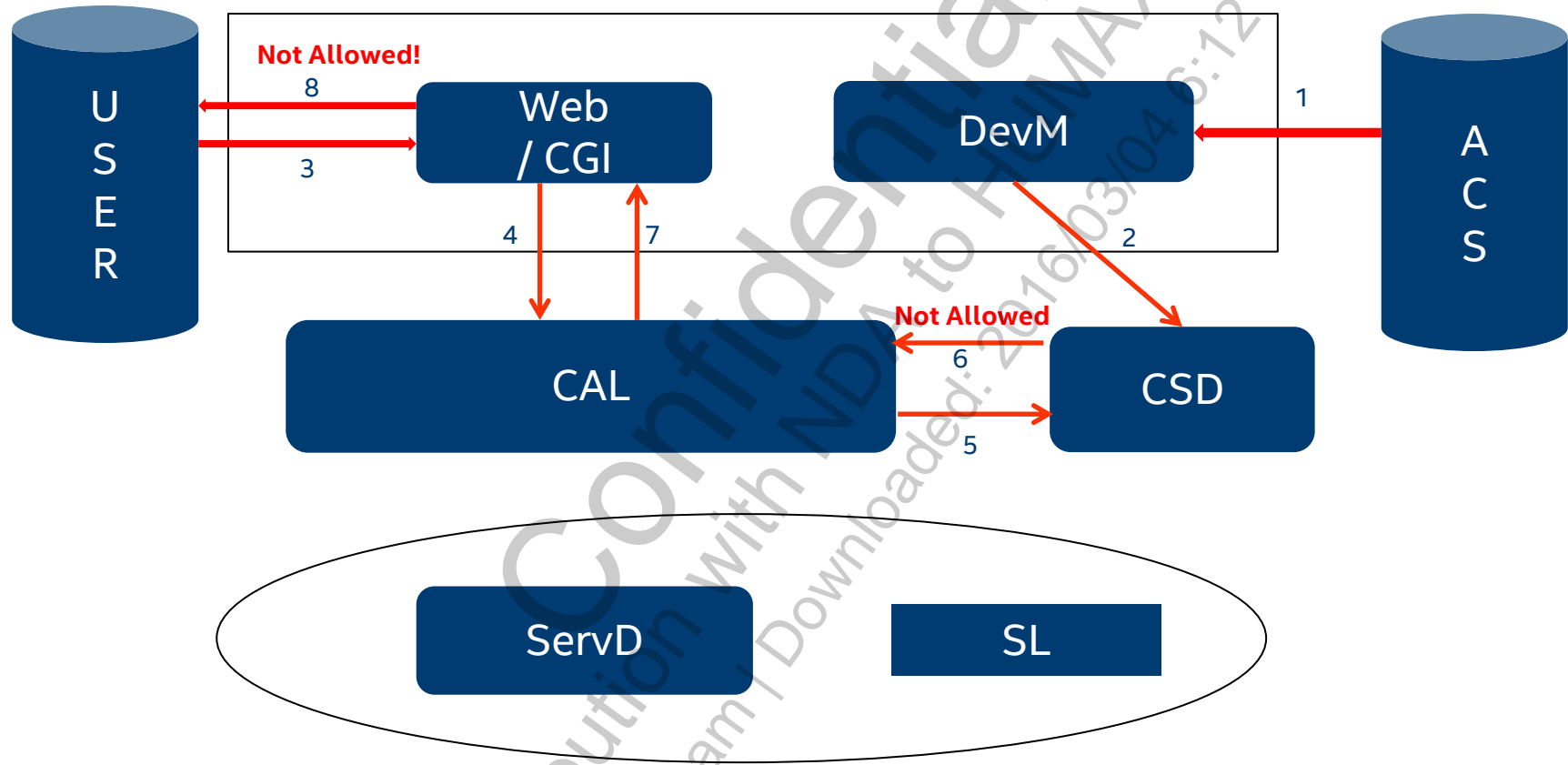
# DevM Start procedure

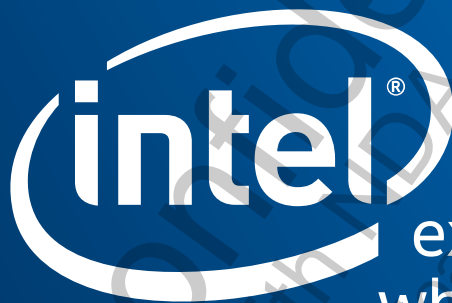


# Notification mechanism



# Access Control





experience  
what's inside™

# Intel Colors

## Default Colors

R: 255 G: 255 B: 255	R: 0 G: 0 B: 0	R: 177 G: 186 B: 191	R: 0 G: 60 B: 113	R: 183 G: 209 B: 8	R: 0 G: 113 B: 197	R: 0 G: 156 B: 218	R: 248 G: 212 B: 76	R: 255 G: 164 B: 0	R: 255 G: 78 B: 0
#FFFFFF	#000000	#B1BABF	#003C71	#B7D108	#0071C5	#009CDA	#F8D44C	#FFA400	#FF4E00

## Colors

+35%	-35%	-40%	-60%	-40%	-60%	+25%	-40%	-40%	-40%
R: 166 G: 166 B: 166	R: 89 G: 89 B: 89	R: 208 G: 214 B: 217	R: 96 G: 181 B: 255	R: 227 G: 249 B: 86	R: 130 G: 202 B: 255	R: 0 G: 117 B: 163	R: 251 G: 229 B: 148	R: 255 G: 200 B: 102	R: 255 G: 149 B: 102
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