## Claims

We claim:

1. A method for centralized management of personnel and equipment based on an instant messaging application, comprising:

determining a smart device that is bound to a preset community;

adding information of the smart device to an organizational architecture of the preset community, so that when a community member of the preset community views an organizational architecture page in the instant messaging application, the information of the smart device is presented in the organizational architecture page.

2. The method according to claim 1, wherein the adding the information of the smart device to the organizational architecture of the preset community comprises:

adding an equipment management level in the organizational architecture, and associating the information of the smart device to the equipment management level;

wherein the organizational architecture further includes a plurality of member management levels corresponding to the community member, and information of the community member of the preset community is associated with a corresponding member management level.

3. The method according to claim 2, wherein the equipment management level comprises a plurality of sub-levels, and each sub-level corresponds to the same type of smart device.

4. The method according to claim 1, further comprising:

when a binding management request of a management user of the preset community for any smart device is received, binding or unbinding the any smart device with the preset community.

5. A method for centralized management of personnel and equipment based on an instant messaging application, comprising:

obtaining an organizational architecture of a preset community, wherein the organizational architecture corresponds to a community member of the preset community and a smart device associated with the preset community;

showing an organizational architecture page in the instant messaging application to present information of the community member or the smart device under the preset community.

6. The method according to claim 5, wherein the community member is classified into a corresponding member management level in the organizational architecture, and the smart device is classified into a corresponding equipment management level in the organizational architecture;

wherein showing the organizational architecture page in the instant messaging application to present the information of the community member or the smart device under the preset community comprises:

showing the organizational architecture page, wherein the organizational architecture page includes a member management level portal corresponding to the member management level, and an equipment management level portal corresponding to the equipment management level;

presenting the information of the community member under the corresponding member management level when a triggering operation for any member management level portal is detected; presenting the information of the smart device under the corresponding equipment management level when a triggering operation for any equipment management level portal is detected.

7. The method according to claim 5, further comprising:

obtaining an operating state of the smart device;

indicating the operating state of the smart device in the organizational architecture page.

8. The method according to claim 5, further comprising:

when it is detected that the information of any smart device is triggered, switching to a detail page of the smart device, wherein the detail page includes a function button for the smart device;

when any function key is triggered, performing a corresponding control function for the smart device.

9. An apparatus for centralized management of personnel and equipment based on an instant messaging application, comprising:

a determining unit configured to determine a smart device that is bound to a preset community;

an adding unit configured to add information of the smart device to an organizational architecture of the preset community so that when a community member of the preset community views an organizational architecture page in the instant messaging application,

the information of the smart device is presented in the organizational architecture page.

10. The apparatus according to claim 9, wherein the adding unit is specifically configured to:

add an equipment management level in the organizational architecture, and associate information of the smart device to the equipment management level;

wherein the organizational architecture further includes a plurality of member management levels corresponding to the community members, and the information of the community members of the preset community is associated with a corresponding member management level.

11. The apparatus according to claim 10, wherein the equipment management level comprises a plurality of sub-levels, and each sub-level corresponds to the same type of smart device.

12. The apparatus according to claim 9, further comprising:

a management unit configured to bind or unbind the smart device with the preset community when receiving a binding management request of a management user of the preset community for any smart device.

13. An apparatus for centralized management of personnel and equipment based on an instant messaging application, comprising:

an obtaining unit configured to obtain an organizational architecture of a preset community, wherein the organizational architecture corresponds to a community member of the preset community and a smart device associated with the preset community;

a presentation unit configured to show an organizational architecture page in the instant messaging application to present information of the community member or the smart device under the preset community.

14. The apparatus according to claim 13, wherein the community member is classified into a corresponding member management level in the organizational architecture, and the smart device is classified into a corresponding equipment management level in the organizational architecture; wherein the presentation unit is specifically configured to:

show the organizational architecture page, wherein the organizational architecture page includes a member management level portal corresponding to the member management level, and an equipment management level portal corresponding to the equipment management level;

present the information of the community member under the corresponding member management level when a triggering operation for any member management level portal is detected; present the information of the smart device under the corresponding equipment management level when a triggering operation for any equipment management level portal is detected.

15. The apparatus according to claim 13, further comprising:

a state obtaining unit configured to obtain an operating state of the smart device;

an indicating unit configured to indicate the operating state of the smart device in the organizational architecture page.

16. The apparatus according to claim 13, further comprising:

a switching unit configured to switch to a detail page of the smart device when it is

detected that the information of any smart device is triggered, wherein the detail page includes a function button for the smart device;

a performing unit configured to perform a corresponding control function for the smart devices when any function button is triggered.

17. A method for centralized management of personnel and equipment based on an instant messaging application, comprising:

showing an instant messaging session window to a preset user, wherein a target communication party of the instant messaging session window includes a preset smart device, and the preset smart device is associated with a preset community to which the preset user belongs and is added to an organizational architecture of the preset community;

obtaining a specific instant messaging message input by the preset user in the instant messaging session window;

sending the specific instant messaging message to make the preset smart device achieve a corresponding preset function.

18. The method according to claim 17, wherein:

when the instant messaging session window is a single chat window, the specific instant messaging message is any message input by the preset user;

when the instant messaging session window is a group chat window, the specific instant messaging message includes a specific identification input by the preset user for the preset smart device.

19. The method according to claim 17, wherein sending the specific instant messaging message comprises:

sending the specific instant messaging message to a server, so that the server obtains a corresponding control instruction by identifying the specific instant messaging message, so as to make the preset smart device achieve a corresponding preset function by receiving and executing the control instruction; or

sending the specific instant messaging message to the preset smart device, so that the preset smart device obtains a corresponding control instruction by identifying the specific instant messaging message and achieves a corresponding preset function by executing the control instruction.

20. An apparatus for centralized management of personnel and equipment based on an instant messaging application, comprising:

a presentation unit configured to show an instant messaging session window to the preset user, wherein a target communication party of the instant messaging session window includes a preset smart device, and the preset smart device is associated with the preset community to which the preset user belongs and is added to an organizational architecture of the preset community;

an obtaining unit configured to obtain a specific instant messaging message input by the preset user in the instant messaging session window;

a sending unit configured to send the specific instant messaging message to make the preset smart device achieve a corresponding preset function.

21. The apparatus according to claim 20, wherein:

when the instant messaging session window is a single chat window, the specific instant messaging message is any message input by the preset user;

when the instant messaging session window is a group chat window, the specific

instant messaging message includes the specific identification input by the preset user for the preset smart device.

22. The apparatus according to claim 20, wherein the sending unit is specifically configured to:

send the specific instant messaging message to a server, so that the server obtains a corresponding control instruction by identifying the specific instant messaging message, so as to make the preset smart device achieve a corresponding preset function by receiving and executing the control instruction; or

send the specific instant messaging message to the preset smart device, so that the preset smart device obtains a corresponding control instruction by identifying the specific instant messaging message and achieves a corresponding preset function by executing the control instruction.

## CLAIMS

What is claimed is:

1. A method comprising:

binding a device with a preset community, the binding including:

receiving an obtaining request for an activation code from the device;

assigning the activation code to the device;

storing a corresponding relationship between the device and the activation code;

receiving a binding management request from a terminal, the binding management request including the activation code that is obtained by the terminal from the device; and

binding the preset community with the device;

determining the device that is bound to the preset community according to the corresponding relationship;

adding information of the device to an organizational architecture of the preset community; and

presenting the information of the device in the organizational architecture in response to determining that a community member of the preset community views the organizational architecture in an instant messaging application.

2. The method of claim 1, wherein adding the information of the device to the organizational architecture of the preset community comprises:

adding an equipment management level in the organizational architecture; and

associating the information of the device to the equipment management level,

wherein the organizational architecture includes a plurality of member management levels corresponding to the community member, and information of the community member of the preset community is associated with a corresponding member management level.

3. The method of claim 2, wherein the equipment management level comprises a plurality of sub-levels, and a respective sub-level corresponds to a same type of device.

4. The method of claim 1, further comprising:

unbinding the device with the preset community.

5. The method of claim 1, further comprising:

obtaining the organizational architecture of the preset community, wherein the organizational architecture corresponds to the community member of the preset community and the device associated with the preset community; and

showing the organizational architecture in the instant messaging application to present the information of the community member or the device under the preset community.

6. The method of claim 5, wherein the community member is classified into a corresponding member management level in the organizational architecture, and the device is classified into a corresponding equipment management level in the organizational architecture.

7. The method of claim 5, wherein showing the organizational architecture in the instant messaging application to present the information of the community member or the device under the preset community comprises:

showing the organizational architecture, wherein the organizational architecture includes a member management level portal corresponding to the member management level, and an equipment management level portal corresponding to the equipment management level;

presenting the information of the community member under the corresponding member management level when a first triggering operation for the member management level portal is detected; and

presenting the information of the device under the corresponding equipment management level in response to determining that a second triggering operation for the equipment management level portal is detected.

8. The method of claim 5, further comprising:

obtaining an operating state of the device; and

indicating the operating state of the device in the organizational architecture.

9. The method of claim 5, further comprising:

switching to a detail page of the device in response to determining that the information of the device is detected to be triggered, the detail page including a function button for the device; and

performing a corresponding control function for the device when a function key is triggered.

10. One or more computer-readable media, stored thereon instructions that, when executed by one or more processors, cause the one or more processors to perform acts comprising:

binding a device with a preset community, the binding including:

assigning an activation code to the device, the activation code being a two-dimensional code; and

storing a corresponding relationship between the device and the activation code;

determining the device that is bound to the preset community according to the corresponding relationship;

adding information of the device to an organizational architecture of the preset community;

presenting the information of the device in the organizational architecture in response to determining that a community member of the preset community views an organizational architecture in an instant messaging application; and

presenting the activation code or a varied form of the activation code at a display of the device.

11. The one or more computer-readable media of claim 10, wherein adding the information of the device to the organizational architecture of the preset community comprises:

adding an equipment management level in the organizational architecture; and

associating the information of the device to the equipment management level,

wherein the organizational architecture includes a plurality of member management levels corresponding to the community member, and information of the community member of the preset community is associated with a corresponding member management level.

12. The one or more computer-readable media of claim 11, wherein the equipment management level comprises a plurality of sub-levels, and a respective sub-level corresponds to a same type of device.

13. The one or more computer-readable media of claim 10, further comprising:

unbinding the device with the preset community.

14. The one or more computer-readable media of claim 10, further comprising:

obtaining the organizational architecture of the preset community, wherein the organizational architecture corresponds to the community member of the preset community and the device associated with the preset community; and

showing the organizational architecture in the instant messaging application to present the information of the community member or the device under the preset community.

15. The one or more computer-readable media of claim 14, wherein the community member is classified into the corresponding member management level in the organizational architecture, and the device is classified into a corresponding equipment management level in the organizational architecture.

16. The one or more computer-readable media of claim 14, wherein showing the organizational architecture in the instant messaging application to present the information of the community member or the device under the preset community comprises:

showing the organizational architecture, wherein the organizational architecture includes a member management level portal corresponding to the member management level, and an equipment management level portal corresponding to the equipment management level;

presenting the information of the community member under the corresponding member management level in response to determining that a first triggering operation for the member management level portal is detected; and

presenting the information of the device under the corresponding equipment management level in response to determining that a second triggering operation for the equipment management level portal is detected.

17. The one or more computer-readable media of claim 14, further comprising:

obtaining an operating state of the device; and

indicating the operating state of the device in the organizational architecture.

18. An apparatus comprising:

one or more processors; and

memory stored thereon instructions that, when executed by the one or more processors, cause the one or more processors to perform acts comprising:

determining a device that is bound to a preset community, the determining including determining an activation code that is assigned to the device;

adding information of the device to an organizational architecture of the preset community;

presenting the information of the device in the organizational architecture when a community member of the preset community views an organizational architecture in an instant messaging application; and

presenting the activation code in a form of a two-dimensional code at a display of the device.

19. The apparatus of claim 18, wherein adding the information of the device to the organizational architecture of the preset community comprises:

adding an equipment management level in the organizational architecture, and

associating information of the device to the equipment management level,

wherein the organizational architecture further includes a plurality of member management levels corresponding to the community members, and the information of the community members of the preset community is associated with a corresponding member management level.

20. The apparatus of claim 18, wherein the acts further comprise:

binding or unbinding the device with the preset community when receiving a binding management request of a management user of the preset community for the device.