

## Hinweis

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## Changelog

### 2.31.25

#### Fehlerbehebungen

- [HMCCU2-1636] Falsche Kanalzuordnung eines Konfigurationsparameters des HmIP-BSM behoben.
- [HMCCU2-1635] Fehlende Optionen innerhalb von Programmen (VALVE\_STATE, Systemvariablen) korrigiert.

#### Sonstige Änderungen

- [HMCCU2-1639] Logmeldung des groupdevice.service von info auf debug geändert.

### 2.31.23

#### Neue Geräte

- [HMCCU2-1620] Integration Philips Hue (Ab Philips Hue Bridge 2.0)
- [HMCCU2-1443] Integration HmIP-PMFS (Homematic IP Netzausfallüberwachung (ELV-Bausatz))
- [HMCCU2-1381] Integration HmIP-WHS2 (Homematic IP Schaltaktor für Heizungsanlagen – 2-fach)
- [HMCCU2-1380] Integration HmIP-SMI55 (Homematic IP Bewegungsmelder für 55er Rahmen – innen)
- [HMCCU2-1378] Integration HmIP-SWO-x (Homematic IP Wettersensoren – basic/plus/pro)
- [HMCCU2-1371] Integration HmIP-MOD-RC8 (Homematic IP Modulplatine Sender – 8-fach (ELV-Bausatz))
- [HMCCU2-1359] Integration HmIP-STHO (Homematic IP Temperatur- und Luftfeuchtigkeitssensor – außen)
- [HMCCU2-1352] Integration HmIP-WGC (Homematic IP Garagentortaster)
- [HMCCU2-1351] Integration HmIP-SPDR (Homematic IP Durchgangssensor mit Richtungserkennung)

#### Fehlerbehebungen

- [HMCCU2-1626] Fehler bei Zeitumstellung in der Logikschicht behoben.
- [HMCCU2-1530] In einer Heizungsgruppe gemachte Einstellungen wurden korrekt an die Geräte übertragen, das virtuelle Gerät der Heizungsgruppe zeigte nach Neuaufruf allerdings wieder die Default-Einstellung.

- [HMCCU2-1485] HmIP-BBL/BROLL/FBL/FROLL – Im Bedienelement unter Status & Bedienung wurde unter Umständen eine falsche Behanghöhe angezeigt.
- [HMCCU2-1478] Bei einer direkten Verknüpfung zwischen einem Homematic Rauchwarnmelder und einem Rollladenaktoren fuhr der Aktor unter Umständen nicht hoch.
- [HMCCU2-1477] Fehlerhafte Quick-Veto Berechnung korrigiert.
- [HMCCU2-1475] Einige Kanalparameter bestimmter Dimmer konnten nur geändert werden, wenn die Experteneinstellungen aktiviert waren.
- [HMCCU2-1434] Nach Hochladen einer Geräte-Firmwaredatei, wurde unter Favoriten angegeben, dass die Firmwaredatei fehlerhaft ist.

#### Erweiterungen / Verbesserungen

- [HMCCU2-1551] Bei Jalousieaktoren mit Lamellenverstellung wird bei Betätigung der Auf/Ab-Tasten des nicht mehr die letzte Lamellenposition angefahren.
- [HMCCU2-1547] Bei den Geräten HmIP-BBL/-BROLL wird die automatische Kalibrierfahrt sowie die automatische Kompensation der Motoreinschaltverzögerung nur angeboten, wenn der Kanalparameter „Automatische Erkennung der Endposition“ aktiv ist.
- [HMCCU2-1523] Ein HmIP-SPI kann nun unter Status & Bedienung und in Programmen deaktiviert werden.
- [HMCCU2-1519] HmIP-SMO - Grenzwert für bedingtes Senden korrigiert.
- [HMCCU2-1516] Geräte-Posteingang überarbeitet. Die Geräteübernahme ist nun erst nach Überprüfung aller Kanäle möglich.
- [HMCCU2-1503] Der Bootvorgang des HM-Server wurde optimiert.
- [HMCCU2-1474] Der Anlerndialog zeigt nun nur noch die Bereiche laufender Interfaces.
- [HMCCU2-1473] HmIP-SMO/SMI/SPI erhalten zukünftig einen neuen Kanal, der es ermöglicht die Bewegungserkennung für einen gewünschten Zeitraum zu unterdrücken. Damit der Kanal zur Verfügung steht, muss das Gerät mit der neuesten Firmware versehen werden, sowie ab- und wieder neu angelernt werden.

#### Sonstige Änderungen

API-Change – Der Methode `User.getLanguage()` wird nun nicht mehr der Username übergeben, sondern die User-ID.

Die Logikschicht der ReGaHss Community Version wurde aktualisiert.

#### Known Bugs

Die schaltbaren Steckdosen von OSRAM-Lightify und Philips Hue werden als Dimmaktoren behandelt. Damit ist das Schalten dieser Geräte per WebUI nur eingeschränkt möglich.

### 2.29.23

#### Erweiterungen

[HMCCU2-1488] Performanceverbesserung bei der Übertragung von Kanalparametern

[HMCCU2-1487] Dem Anwender wird nun beim Start der CCU2 **einmalig** ein Sicherheitshinweis angezeigt, welcher u. a. auf die Risiken des Port Forwardings aufmerksam macht.

#### Fehlerbehebungen

[HMCCU2-1485] Bei den Homematic IP Jalousie- und Rollladenaktoren (HmIP-BBL/BROLL/FBL/FROLL) war es dem Anwender unter Umständen nicht möglich die genaue Behanghöhe zu erkennen.

[HMCCU2-1476] Das Logging der HS485-Schnittstelle wechselte nach einem Neustart der Zentrale immer auf „Nur Fehler“, auch wenn etwas anderes eingestellt war.

[HMCCU2-1361] Programme wurden unter Umständen erst ausgeführt, wenn die Bedingung einmal manuell betätigt wurde.

### 2.29.22

#### Fehlerbehebungen

[HMCCU2-1468] Die Kanalparameter für Kanal 4 des BBL/FBL wurden nicht übernommen, wenn die Einstellung „Modus vereinfachte Verknüpfungskonfiguration aktivieren“ aktiviert ist.

[HMCCU2-1459] Der Status einer Gruppe ohne Wandthermostat wurde nicht aktualisiert. Dieser Fehler wurde behoben.

[HMCCU2-1458] Fehler beim Aufruf der Kanalparameter des Hm-Sen-RD-O behoben

[HMCCU2-1456] Beim HM-LC-Ja1PBU-FM konnten unter bestimmten Umständen einmal geschlossene Lamellen nicht wieder geöffnet werden. Dieser Fehler wurde behoben.

### 2.29.19

#### Fehlerbehebungen

[HMCCU2-1458] Fehler beim Aufruf der Kanalparameter des Hm-Sen-RD-O behoben

[HMCCU2-1456] Beim HM-LC-Ja1PBU-FM konnten unter bestimmten Umständen einmal geschlossene Lamellen nicht wieder geöffnet werden. Dieser Fehler wurde behoben.

[HMCCU-1459] In der WebUI wird bei Heizgruppen ohne Wandthermostat keine Statusaktualisierung vorgenommen. Dieser Fehler wurde behoben.

### 2.29.18

#### Neue Geräte

[HMCCU2-1368] Integration HmIP-PDT-UK (Dimmer-Steckdose – Phasenabschnitt (UK-Version))

[HMCCU2-1367] Integration HmIP-eTRV-UK (Heizkörperthermostat (UK-Version))

[HMCCU2-1350] Integration HmIP-SPI (Präsenzmelder – innen)

[HMCCU2-1349] Integration HmIP-BBL (Jalousieaktor für Markenschalter)

- [HMCCU2-1348] Integration HmIP-FBL (Jalousieaktor für Unterputzmontage)
- [HMCCU2-1347] Integration HmIP-BROLL (Rollladenaktor für Markenschalter)
- [HMCCU2-1346] Integration HmIP-FROLL (Rollladenaktor für Unterputzmontage)
- [HMCCU2-1345] Integration HmIP-MOD-OC8 (Schaltaktor mit Open Collector-Ausgang)
- [HMCCU2-1301] Integration HmIP-SWDO-I (Fenster- und Türkontakt – verdeckten Einbau)
- [HMCCU2-1274] Integration HmIP-BWTH / BWTH24 (Wandthermostat mit Schaltausgang)
- [HMCCU2-1250] Integration HmIP-PCBS-BAT (Schaltplatine für Batteriebetrieb)
- [HMCCU2-1206] Integration HmIP-SAM (Beschleunigungssensor)
- [HMCCU2-1043] Integration HM-LC-DW-WM (Dual-White-LED Controller)

#### Erweiterungen / Verbesserungen / Änderungen

- [HMCCU2-1452] Port 8182 des Web-Proxies nach 8183 geändert. Port 8182 wird zur Ansteuerung der INFO-LED bei Service-Meldungen benutzt.
- [HMCCU2-1393] Hilfe für die Konfigurations-Parameter „Gerät dient als Router“ und „Routing aktiv“ hinzugefügt.
- [HMCCU2-1390] In der Logikschicht (ReGa) wurden Fehler behoben und Erweiterungen eingebaut (z.B. Mathematische Funktionen, siehe HM-Skript\_Teil\_1\_Sprachbeschreibung\_V2.0). Es gibt verschiedene Versionen, die sich wie folgt unterscheiden und unter dem Punkt „Systemsteuerung/Zentralenwartung/Logikschicht-Version“ umgeschaltet werden können:
  - Standard:  
Diese Version enthält Fehlerbehebungen im Zeitmodul und neue Funktionen, um z. B. mathematische Operationen in Skripten nutzen zu können.
  - Community:  
Diese Version bietet zusätzliche Verbesserungen zur Fehlerbehebung in Skripten. Bitte beachten, dass diese Version unter Umständen zu Abbrüchen von Skripten führen kann.
  - Legacy:  
Sollten seit dem Update auf die Version 2.29.18 der CCU2-Software Probleme auftreten, können Sie mit der Auswahl „Legacy“ auf die Vorgängerversion der Logikschichtversion wechseln.
- [HMCCU2-1360] Easymode Profil "Position anfahren" auch für die internen Tasten der Homematic Rollladenaktoren
- [HMCCU2-1357] Neue Gerätefirmware für HmIP-Geräte wird nun auf der Startseite angezeigt.
- [HMCCU2-1355] Wochenprogramm für HmIP-Geräte mit entsprechender Firmware

[HMCCU2-1300] HmIP-eTRV – Parameter „Fehler-Position“ als Konfigurationsparameter hinzugefügt. (Gibt an, welche Position im Fehlerfalle angefahren werden soll.)

#### Fehlerbehebungen

[HMCCU2-1356] Nach Verwendung des Zeichens \ (Backslash) innerhalb von Variablennamen oder der Variablenbeschreibung, konnte die Seite Einstellungen/Systemvariable nicht mehr aufgerufen werden. Der Backslash wird nun nicht mehr als gültiges Zeichen akzeptiert und wird herausgefiltert.

[HMCCU2-1309] Die Info-LED der CCU2 reagiert nun auf Service-Meldungen, die durch HmIP-Geräte ausgelöst werden.

#### Allgemeine Hinweise

Java Version von 7 auf 8 (Compact 3 Profile + Erweiterungen) geändert.

#### Known Bugs

##### *HmIP-MOD-OC8:*

Unter Status/Bedienung wird beim Wochenprogramm (Kanal 41) nur der Status der ersten 8 Kanäle korrekt angezeigt. Das Problem wird mit einem der nächsten Releases der CCU2-Software behoben.

##### *HmIP-SPI:*

Das Ein-/Ausschalten der Präsenzerkennung wird nicht korrekt an die CCU2 zurückgemeldet. Der Status des Kanals wird in diesem Falle verzögert dargestellt. Dieses Problem wird mit einem Geräte-Firmware-Update in naher Zukunft behoben.

### 2.27.8

#### Fehlerbehebungen

[HMCCU2-1342] Unter bestimmten Umständen wurden OSRAM-Lightify-Geräte doppelt angezeigt. Dieser Fehler wurde behoben.

[HMCCU2-1339] Fehler beim Aufrufen direkter Verknüpfungen behoben.

[HMCCU2-1338] Die Controls zur Anzeige bestimmter Parameter wurden nur noch einzeilig dargestellt. Dadurch war der Wert bei langen Parameternamen nicht mehr lesbar.

[HMCCU2-1337] HmIP-STH/STHD – Zugriff auf die Konfigurationsparameter wieder ermöglicht.

### 2.27.7

#### Neue Geräte

[HMCCU2-1260] Integration Hm-Sen-MDIR-O-3 (Homematic Funk-Bewegungsmelder, außen)

[HMCCU2-1191] Integration HmIP-FDT (Homematic IP Dimmaktor Unterputz – Phasenabschnitt)

[HMCCU2-1173] Integration HmIP-PCBS (Homematic IP Schaltplatine)

#### Erweiterungen / Verbesserungen

Neben allgemeinen Stabilitätsverbesserungen gibt es folgende Änderungen:

[HMCCU2-1336] Sicherheitsrelevante Erweiterungen:  
- Firewall bei Systemstart starten

- Directory Traversal Schwachstelle behoben
- SSH Daemon erlaubt nur noch sichere Cipher und MACs
- Weitere Ports in der firewall.conf eingetragen
- Sicherheitslücke beim Prüfen auf gültige Session-ID behoben

- [HMCCU2-1335] Konfigurationsparameter „Soft On/Off“ für dimmbare OSRAM-Lightify hinzugefügt. Hinweis: Damit dieser Parameter zur Verfügung steht, müssen diese Geräte aus dem System gelöscht und neu hinzugefügt werden (erneutes Suchen von Geräten).
- [HMCCU2-1334] Unterstützung für OSRAM-Lightify Plug hinzugefügt.
- [HMCCU2-1333] Unterstützung für OSRAM-Lightify Gardensport Mini RGB hinzugefügt.
- [HMCCU2-1330] Manuelle Eingabe einer OSRAM-Lightify Gateway-IP ermöglicht.
- [HMCCU2-1328] Direkte Werteingabe der RGB-Werte im Lightify-Farbauswahldialog ermöglicht.
- [HMCCU2-1292] OSRAM Kopplung um Steuerung von Gruppen erweitert.
- [HMCCU2-1323] Parameter Luftdruck für entsprechende Geräte (z. B. WDC7000) in Diagrammen nutzbar.
- [HMCCU2-1302] Für neue HmIP Thermostat-Versionen wurde ein Konfigurationsparameter eingeführt, der es ermöglicht, die Schaltzeitpunkte der Wochenprogramme im Auto-Modus für eine wählbare Zeit (max. 12 Std.) nicht zu berücksichtigen.
- [HMCCU2-1282] Integration HmIP-FAL-X ab Firmwareversion 1.5 (Unterscheidung des Wärmebedarfs für Kessel- oder Pumpensteuerung). Bei der Aktualisierung der FAL auf diese Firmwareversion, muss das Gerät einmal ab- und wieder angelernt werden.
- [HMCCU2-1281] Dynamische Routing-Funktionalität für den HmIP-PS/PSM ab Firmwareversion 2.x
- [HMCCU2-1242] HmIP – Die Eingabefelder für KEY und SGTIN wurden getauscht und so den Angaben auf den Gerätetickern angepasst
- [HMCCU2-1218] Der Jalousieaktor HM-LC-Ja1PBU-FM wird beim Anlernen direkt dem Gewerk Licht zugeordnet.
- [HMCCU2-1111] In den Benutzereinstellungen kann gewählt werden, ob die Servicemeldung „Gerätekommunikation war gestört“ automatisch bestätigt wird. Diese Einstellung steht nur als Administrator zur Verfügung.
- [HMCCU2-1048] HM-Sec-SIR-WM – Beim Erstellen einer direkten Verknüpfung unterscheidet die Link-Beschreibung nun zwischen internem und externem Alarm.
- [HMCCU2-820] Unter dem Punkt „Systemsteuerung/Netzwerkeinstellungen“ gibt es die Möglichkeit, ein vom Benutzer aufgespieltes Zertifikat wieder zu löschen, ohne sich per SSH Zugang auf die Zentrale verschaffen zu müssen. Der entsprechende Button wird nur angezeigt, wenn auch tatsächlich ein Zertifikat vorhanden ist.

## Fehlerbehebungen

- [HMCCU2-1322] HmIP-MIOB – Die Einheit des Levels für den analogen Ausgang (Kanal 11) innerhalb von Programmen wurde auf % gesetzt. Dadurch ist der zulässige Wertebereich statt von 0.0 -1.0 auf 0 – 100% festgelegt. Damit die Änderung wirksam wird, muss das Gerät einmal ab- und wieder angelernt werden.
- [HMCCU2-1317] Unterbindung direkter Verknüpfungen mit der internen Taste von HmIP-PS/PSM/PDT
- [HMCCU2-1314] Filtern nach Interface/Kategorie HmIP in der Geräteliste ergänzt.  
[HMCCU2-1297] HM-MOD-EM-8Bit – Die Nummerierung der Modusauswahl des Parameters „Datenübertragungsbedingungen“ wurde von 0 – 6 nach 1 – 7 geändert.
- [HMCCU2-1293] HmIP-BDT (u. a.) fehlerhafte Auswertung der Pegelbegrenzung und der Einschaltdauer bei langem Tastendruck behoben.
- [HMCCU2-1291] Link zur Hilfe zum Löschen des Browser-Caches angepasst.
- [HMCCU2-1259] Die Bearbeitung direkter Verknüpfungen zwischen virtuellen Tasten und Rollladenaktoren ergänzt
- [HMCCU2-1227] RFD beendete sich aufgrund von Speicherproblemen, wenn die Log-Datei des HM-Servers zu groß wurde.
- [HMCCU2-1226] HmIP – Hinweis auf vorhandene Programme und Verknüpfungen beim Löschen von HmIP-Geräten ergänzt.
- [HMCCU2-897] Unter Umständen kam es vor, dass die Bedienelemente einiger Dialoge (z. B. Zusatzsoftware) nicht mehr erreichbar waren, da sie außerhalb des Screens lagen. Diese Dialoge können nun einfach mit der Maus verschoben werden, so dass die Bedienelemente wieder zugänglich sind.
- [HMCCU2-700] Testbutton für Rauchmelder-Teams entfernt.

## 2.25.15

### Fehlerbehebungen

- [HMCCU2-1257] Problem bei Verwendung von Systemvariablen innerhalb von Programmen behoben.
- [HMCCU2-1256] Ein gewähltes Profil für einen Rolladenaktor wurde unter Umständen überschrieben.

## 2.25.14

### Fehlerbehebungen

- [HMCCU2-1255] HmIP - Nutzung von Kanälen des Types KEY\_TRANSMITTER (Fernbedienungen) innerhalb des Wenn-Zweiges ermöglichen.
- [HMCCU2-1254] HmIP-ASIR - Ausblenden des Kanals 1, da hier keine Funktion

[HMCCU2-1253] Fehler beim Rückspielen eines CCU2-Backups behoben.

### 2.25.12

#### Erweiterungen / Verbesserungen

- [HMCCU2-1230] Integration OSRAM-Lightify
- [HMCCU2-1190] WTH mit Fw >= 1.6 verhält sich nun wie ein WTH-2 (anlernen an HmIP-FALXXX möglich)
- [HMCCU2-1174] Integration HmIP-PDT
- [HMCCU2-1170] Integration PSM für PE, UK, IT, CH
- [HMCCU2-1163] Integration HmIP-STH  
Integration HmIP-STHD
- [HMCCU2-1147] Integration HM-LC-Ja1PBU-FM (Jalousieaktor mit Lamellensteuerung)
- [HMCCU2-1140] Anzeige des Endes des Urlaubsmodus für HmIP eTRV, eTRV2, WTH u. WTH-2
- [HMCCU2-1115] Integration HM-Sec-RHS-2 (Funk-Fenster-Drehgriffkontakt)
- [HMCCU2-1104] Integration Hm-MOD-EM-8Bit (8-Bit Funk-Sendemodul)
- [HMCCU2-1042] Integration HM-LC-Dim1T-DR
- [HMCCU2-1026] Integration HmIP-MIOB
- [HMCCU2-1022] Integration HmIP-FAL (FAL-24-6, FAL-24-10, FAL-230-6, FAL-230-10)
- [HMCCU2-1014] Integration HmIP-BDT
- [HMCCU2-1005] Integration HmIP-FSM/FSM16
- [HMCCU2-1002] Integration HmIP-ASIR (Innensirene)
- [HMCCU2-998] Integration HmIP-SMO(-A) (Bewegungsmelder, Außen)
- [HMCCU2-995] Integration HmIP-RC8 (Fernbedienung, 8-Kanal)
- [HMCCU2-993] Integration HmIP-WRC6 (Wandtaster, 6-fach)
- [HMCCU2-988] Integration HmIP-SRH (Fenstergriffsensor)
- [HMCCU2-985] Integration HmIP-BSM (Schaltaktor für Markenschalter, mit Leistungsmessung)
- [HMCCU2-1244] Easymode für rudimentäre Lamellenverstellung der Funk-Rollladenaktoren ergänzt

#### Fehlerbehebungen

[HMCCU2-1168] Die Hysterese der Temperatur war bei direkten Verknüpfungen zwischen



Wandthermostaten und Aktoren als Zweipunktregelung nur noch auf ganze Grad einstellbar. Nun sind 0.1 Grad-Schritte möglich.

- [HMCCU2-1161] Bei Rolladenaktoren ließ sich beim Level kein Wert mit Nachkommastelle eingeben.
- [HMCCU2-1078] Das Verhalten des Profils „Gewünschte Temperatur“ eines HmIP-WTH bei direkten Verknüpfungen ist je nach verwendeter Firmware u. U. leicht unterschiedlich. Die Profilbeschreibung der jeweiligen Firmwareversion wurde angepasst.
- [HMCCU2-903] Bei der Erstellung einer direkten Verknüpfung zwischen einer HmIP-Fernbedienung und eines HmIP-Wandthermostaten, fehlte bei dem Profil MANU die Möglichkeit, die gewünschte Temperatur einzustellen.

### 2.21.10

#### Erweiterungen / Verbesserungen

- [HMCCU2-1113] Beim HmIP-SMI ist es nun möglich, die „Bewegung erkannt“ Zeit einzustellen.
- [HMCCU2-1060] Für HmIP-Geräte steht nun Kanal 0 innerhalb von Programmen zur Verfügung. Dadurch kann nun auch mit HmIP auf bestimmte Zustände des Gerätes reagiert werden (z. B. Sabotagekontakt, Batterie leer usw.)
- [HMCCU2-1055] Stabilitätsverbesserung für HmIP
- [HMCCU2-961] Integration HM-LC-AO-SM (0 – 10V Aktor) Bausatz/ELV-Journal
- [HMCCU2-954] Integration HM-LC-Sw1-PCB (Funk-Schaltaktor 1-fach für Kleinspannung) Bausatz/ELV-Journal
- [HMCCU2-887] Integration HM-LC-Sw2PBU-FM (Funk-Schaltaktor, 2-fach für Markenschalter) Bausatz/ELV-Journal

#### Fehlerbehebungen

- [HMCCU2-1142] Cron-Job für cloudmatic check von 1 Minute auf 6 Stunden geändert.
- [HMCCU2-1135] Kommunikationsstörungen beim Hm-Sen-LI-O (Lichtsensor) behoben.
- [HMCCU2-1116] Beim HM-Sec-Sir-WM war bei Programmaktionen „intern scharf“ und „extern scharf“ vertauscht.
- [HMCCU2-1105] Bugfix für easy-smarthome – Den Benutzern wurden ihre Daten nach erfolgter Registrierung teilweise nicht angezeigt.
- [HMCCU2-1093] Bei Schaltaktoren wurde das Profil der internen Gerätetaste bei erneutem Aufrufen der Konfiguration von „Treppenhauslicht“ in „Schalter Ein“ geändert.

### 2.19.9

#### Erweiterungen / Verbesserungen

- [HMCCU2-951] Integration HmIP-SMI (Bewegungsmelder)
- [HMCCU2-973] Integration HmIP-KRCA (Ferndienung Alarm)

[HMCCU2-974]	Integration HmIP-SWSD (Rauchmelder)
[HMCCU2-779]	Integration HM-WDS100-C6-o-2 (Kombi-Wettersensor)
[TWIST-835]	Anzeige der Servicemeldungen von HmIP-Geräten
[HMCCU2-889]	Integration HM-Sec-Sir-WM (Innensirene)
[HMCCU2-890]	Integration HM-Dis-EP-WM55 (Statusanzeige mit E-Paper-Display)

#### Fehlerbehebungen

[HMCCU2-802]	Gerätetausch bei Heizungsgruppen funktioniert u. U. nicht.
[HMCCU2-970]	Der Energiezähler HM-ES-TX-WM konnte nicht zur Verwendung in Diagrammen genutzt werden.
[HMCCU2-977]	Probleme bei der Erstellung einer Verknüpfung des Wetterkombisensors mit einem Rolladenaktor.
[HMCCU2-1047]	Der Hilfe-Button verwies auf einen toten Link
[HMCCU2-1062]	Der Pfad zum Navigieren im Header der Web-UI war u. U. nicht korrekt
[HMCCU2-1098]	Geänderter Parameter einer Verknüpfung zwischen Tastenpaar und Jalousieaktor wurde u. U. nicht übernommen. Es handelt sich dabei um den Parameter LONG_MAX_TIME_FIRST_DIR. Hinweis: Ist die Verknüpfung AES-gesichert, kann der Wert aus technischen Gründen nicht unter 0.8s geändert werden.

#### Known Bugs

Unter Umständen bleibt die Servicemeldung "Konfigurationsdaten stehen zur Übertragung an" bei HmIP-Geräten dauerhaft bestehen, obwohl die Daten korrekt übertragen wurden.

#### 2.17.16

##### Erweiterungen / Verbesserungen

- EULA angepasst

#### 2.17.15

##### Fehlerbehebungen

[HMCCU2-958] Der Sw1PBU-FM ließ sich nicht mehr anlernen.

[HMCCU2-959] Anzeige der aufsummierten Kosten der Energiezähler unter bestimmten Bedingungen um den Faktor 1000 falsch.

[HMCCU2-962] Die Verwendung der Einschaltdauer innerhalb von Programmen konnte bei den Geräten HmIP-PS/PSM zu Fehlverhalten führen.

- Die angezeigten Wochenprofile 2 und 3 der Homematic IP-Thermostate (Wand/Heizkörper) stimmten nicht mit den in den Geräten gespeicherten Profilen überein. Um dieses Fehlverhalten für die beiden betroffenen Profile zu korrigieren, müssen die betroffenen Geräte mit der CCU2-Version 2.17.15 neu angelernt werden.

- Die Startreihenfolge vom Homematic und Homematic IP Server wurde synchronisiert (Stabilitätsverbesserung beim Booten der CCU2).
- Zyklische Ausgaben (alle 5 Minuten) in var/log/messages entfernt
- Ein falscher Index bei bestimmten Diagrammtypen sorgte dafür, dass diese Diagramme fehlerhaft angezeigt wurden. Diagramme, die unter der Version 2.17.14 angelegt wurden, und folgende Datentypen enthalten, müssen in der Version 2.17.15 gelöscht und neu angelegt werden.  
Es sind folgende Datentypen betroffen: Windgeschwindigkeit, Windrichtung, Regen, Regenmenge, Ventilstatus, aktuelle Temperatur, Solltemperatur, Füllstandslevel, Energiezähler Gas u. momentaner Gasverbrauch.

## 2.17.14

### Erweiterungen / Verbesserungen

[HMCCU2-792] Integration des HMOU\_CFM-TW (MP3 Funk-Gong mit Signalleuchte)

[HMCCU2-837] Integration des HM-Sen-LI-O (Lichtsensoren)

[HMCCU2-839] Integration des HM-Sec-MDIR-3 (Bewegungsmelder)

[HMCCU2-883] Integration Smart-Meter-Sensor für HM-ES-TX-WM.

[HMCCU2-898] Firewall-Regeln erweitert

[HMCCU2-899] Integration des HM-WDS30-OT2-SM-2 (Temperaturdifferenz-Sensor).  
Support für HmIP-Geräte

Unterstützte Geräte:

HmIP-PS, HmIP-PSM, HmIP-WRC2, HmIP-SWDO, HmIP-WTH, HmIP-eTRV, HmIP-KRC4

Unterstützte Funktionen:

Konfigurierung, Bedienung, Verknüpfungen von Geräten der HmIP-Generation, Verwendung von HmIP-Geräten innerhalb Programmen, Diagramme

Noch nicht unterstützte Funktionen:

Gruppen, Gerätetausch, Service-Meldungen

### Fehlerbehebungen

[HMCCU2-809] Duty-Cycle-Bug behoben

[HMCCU2-868] Möglicher Verbindungsabbruch zum Wired-Gateway gefixt.

[HMLGWOTWWEU-18] Stabilität des LAN-Gateways verbessert

[EQ3\_SUPPORT-5] Stabilität CCU2 Netzwerk verbessert

## 2.15.5

### Erweiterungen / Verbesserungen

[HMCCU2-769] Integration des HM-ES-PMSw1-SM (HM-Schalt/Messaktor Aufputz)

[HMCCU2-772] Optimierung der Überprüfung auf neue Gerätefirmwaredateien.

## Fehlerbehebungen

[HMCCU2-806] Die Temperaturwerte der Balkendiagramme für den Zeitraum "Monat" wurden falsch dargestellt.

[HMCCU2-813] Unter bestimmten Umständen konnten keine direkten Verknüpfungen mehr angelegt werden.

[HMCOP-24] Timing Probleme beim Anlernen von Geräten bei gesetztem Systemschlüssel behoben

## 2.15.2

### Erweiterungen / Verbesserungen

[HMCCU2-601] Der Öffnungsgrad von Jalousieaktoren unter Status und Bedienung wird nun verständlicher dargestellt.

[HMCCU2-699] Bei der Zuweisung von Rauchmeldern zu Teams, wird nun, anstatt Gerätetyp und Seriennr., der Name der Rauchmeldergruppen zur Auswahl angeboten.

[HMCCU2-713] Integration des HM-ES-PMSw1-DR (Funk-Schaltaktor mit Leistungsmessung für Hutschieneinstallation).

[HMCCU2-714] Integration des HM-LC-Sw1-PI-CT (Funk-Schaltaktor mit Klemmanschluss und spezieller Option für 0.4s Einschaltdauer).

[HMCCU2-722] Neue Firmwareversionen vorhandener Geräte werden nun auf der Startseite angezeigt.

[HMCCU2-726] Filterhandling beim Wählen von Systemvariablen innerhalb von Programmen verbessert (Fokus bei Aufruf, Enter mittels Return, Cancel mittels ESC).

[HMCCU2-734] Integration des HMW-LC-BI1-DR-2 (Rollladenaktor, wired, Hutschiene).

[HMCCU2-736] Menüpunkt "Geräte-Firmware" in der Gesamtübersicht der Einstellungen hinzugefügt.

[HMCCU2-750] Integration des HM-LC-RGBW-WM (Funk-RGBW-Controller für LED-Stripes).

[HMCCU2-766] Das virtuelle Gerät einer Gruppe erhält nun den Gruppennamen.

[HMCCU2-778] Für Verknüpfungen eines Schaltaktors mit Kanal 7 des Wandthermostates HM-TC-IT-WM-W-EU, ist nun eine Hysterese einstellbar.

## Fehlerbehebungen

[HMCCU2-733] Alarmmeldungen wurden u. U. falsch gesetzt.

[HMCCU2-742] JSON-RPC API Formatfehler behoben.

[HMCCU2-789] Die Berechnung der Monats- und Jahreswerte von Balkendiagrammen wurde überarbeitet.

## 2.13.7

### Erweiterungen / Verbesserungen

[HMCCU2-537] Einem eingebundenen LAN-Gateway kann nun ein Name zugeordnet werden.

- [HMCCU2-591] Vergleichszeitraum für Diagramme hinzugefügt.
- [HMCCU2-642] Einbindung eines LAN-Gateways vereinfacht.
- [HMCCU2-687] 2-fach Funksender (HM-RC-2-PBU-FM) hinzugefügt.
- [HMCCU2-688] Display-Fernbedienung (HM-RC-Dis-H-x-EU) hinzugefügt.
- [HMCCU2-690] Darstellung des realen Dimm-Levels bei Dimmern mit virtuellen Kanälen (im Expertenmodus).
- [HMCCU2-692] HM-Sec-SD-2 (Rauchmelder) hinzugefügt.
- [HMCCU2-695] HM-LC-Sw1-DR (Treppenhausautomat) hinzugefügt.

#### Fehlerbehebungen

- [HMCCU2-727] Der Wasserstandsmelder setzt zugewiesene Alarmvariable bei Meldung von Feuchtigkeit falsch.
- [HMCCU2-710] Hinweis auf bestehende Verknüpfung beim Aufruf von Kanalparametern u. U. am falschen Kanal.
- [HMCCU2-731] Kommunikationsprobleme bei hoher Belastung behoben.
- [HMCCU2-693] Nach Neustart der Zentrale zeigte der CCU-Zähler der Energiemessgeräte einen zu hohen Wert an. Um diesen Fehler zu beseitigen, ist ein Ab- und erneutes Anlernen der betroffenen Geräte nötig.

#### 2.11.9

##### Fehlerbehebungen

- [HMCCU2-681] HM-ES-Tx-WM: keine Eingabe eines negativen Wertes beim Parameter 'Zählerempfindlichkeit' möglich.
- [HMCCU2-693] HM-ES-Tx-WM: fehlerhafter CCU-Zähler nach Geräteneustart.

#### 2.11.6

##### Erweiterungen / Verbesserungen

- [HMCCU2-487] Bei der Gruppenfunktion ist das automatische Umschalten von Sommer- auf Winterzeit jetzt per default aktiviert.
- [HMCCU2-551] Das neue drahtlose Status Display (HM-Dis-WM55) wurde hinzugefügt.
- [HMCCU2-563] HM-PB-2-WM55-2 für die Verwendung in Gruppen vorgesehen.
- [HMCCU2-597] Die Kanäle des HM-MOD-EM8 können jetzt folgende Betriebsarten annehmen: Taster, Schalter, Tür-/Fensterkontakt oder nicht aktiv
- [HMCCU2-615] Der neue drahtlose Türklingel-Sensor (HM-Sen-DB-PCB) wurde hinzugefügt.
- [HMCCU2-616] Der neue drahtlose Strom-/Gassensor (HM-ES-Tx-WM) wurde hinzugefügt.

[HMCCU2-623] Beim Schaltaktor mit Leistungsmessung werden die Experteneinstellungen nach der Übertragung nicht angezeigt.

[HMCCU2-626] Der neue Bewegungsmelder mit Tastenpaar (HM-Sen-MDIR-WM55) hinzugefügt.

[HMCCU2-638] Die automatische Anpassung der Y-Achse bei Diagrammen im Auto-Modus wird jetzt entsprechend der Min-/Max-Werte skaliert.

#### Fehlerbehebungen

[HMCCU2-529] Die Überschrift der HM-SYys-sRP-PI Parameter-Checkboxen unter Kanaleinstellungen wurde u. U. nicht angezeigt.

[HMCCU2-588] Der CSV Datenexport der Diagrammfunktion war fehlerhaft.

[HMCCU2-627] Bei der Diagrammfunktion wurden die Werte der Y-Achse u. U. (Werte größer 1000) falsch dargestellt.

[HMCCU2-628] Bei den Diagrammtypen Temperatur- u. Leistungsmessung wurden benutzerdefinierte Y-Werte ignoriert, es wurde immer 'AUTO' verwendet.

[HMCCU2-632] Benutzerdefinierte Raum- oder Gewerkenamen erschienen als Platzhalter

[HMCCU2-635] Das Hochladen einer neuen Gerätefirmwaredatei war erfolglos, wenn schon eine ältere Version vorhanden war.

[HMCCU2-641] Unter Allgemeine Geräteeinstellungen wurde beim HM-PB-4Dis-WM-2 eine falsche Gerätebezeichnung angezeigt.

[HMCCU2-656] Bei der WinMatic war unter Zentralenprogramme die Option 'Fenster verriegeln' nicht mehr möglich.

### 2.9.12

#### Erweiterungen / Verbesserungen

[HMCCU2-614] Changelog Datei bei Geräte Firmware Update Files anzeigen

#### Fehlerbehebungen

[HMCCU2-579] Sicherheitsanforderungen der CCU2 Firewall werden nicht umgesetzt

[HMCCU2-613] Bedienung Heizkörperthermostat in Favoriten / Gewerken fehlerhaft

[HMCCU2-618] CCU2 - Favoritenansicht für HM-CC-TC ist fehlerhaft

[HMCCU2-619] Wasserstandsmelder zur Diagrammerstellung wieder hinzufügen.

[HMCCU2-625] Rolladenaktor HM-LC-BI1PBU-FM Version 2.1 kann nicht über OTAU aktualisiert werden

### 2.9.10

#### Erweiterungen / Verbesserungen

[HMCCU2-558] Der neue HomeMatic Fensterkontakt optisch (HM-SEC-SCo) wurde hinzugefügt

[HMCCU2-571] Die neue HomeMatic 8-fach Fernbedienung (HM-RC-8) wurde hinzugefügt

- [HMCCU2-478] Der neue HomeMatic Funk-Wandtaster 2-fach für Markenschalter (HM-PB-2-FM) hinzugefügt
- [HMCCU2-549] Geräte Firmware Update Dateien können über die WebUI installiert werden. Ob Ihre Geräte die Over The Air Update Funktion (OTAU) unterstützen und neue Firmware Versionen vorliegen, können Sie auf der Webseite [www.homematic.com](http://www.homematic.com) unter "Downloads" überprüfen.
- [HMCCU2-487] Umstellung Sommer-Winterzeit bei Heizgruppen hinzugefügt
- [HMCCU2-509] Beim Heizkörperthermostat (HM-CC-RT-DN), Wandthermostat (HM-TC-IT-WM-W-EU) und bei Heizgruppen kann der Auto-/Manu-/Eco-/Boost- und Urlaubsmodus unter Status & Bedienung eingestellt werden
- [HMCCU2-562] Verzögerte Sendewiederholung bei CONFIG\_PENDING für 'Permanent-Listener'. Sollten Konfigurationsänderungen nicht sofort übertragen werden, wird nach 5 bzw. 10 Sekunden erneut versucht, die Änderungen zu übertragen.
- [HMCCU2-603] Energiekostenanzeige beim HomeMatic Funk-Schaltaktor 1-fach mit Leistungsmessung, Zwischenstecker (HM-ES-PMSw1-PI Die Kosten pro kWh können Sie unter "Einstellungen/Allgemeine Einstellung" eintragen.
- [HMCCU2-379] Neue Diagramme zur Leistungsmessung (Balkendiagramme, Energieverbrauch pro Tag/Woche/Monat/Jahr)

#### Fehlerbehebungen

- [HMCCU2-466] Werte im Zeitmodule werden gelöscht (1970 Problem). Ab der 2.9.10 Version werden keine Zeitmodule mehr gelöscht. Bitte kontrollieren Sie nach dem Update alle Zeitmodule und ergänzen notfalls gelöschte Einträge. Der erste Neustart nach dem Update auf 2.9.10 kann etwas länger dauern, da alle Programme überprüft werden, ob ungültige Referenzen existieren.
- [HMCCU2-466] Programme lassen sich nicht mehr editieren
- [HMCCU2-507] HM-LGW-O-TW-W-EU Firmware Update funktioniert nicht wenn IP Adresse in WebUI konfiguriert ist
- [HMCCU2-508] RFD kann keine Verbindung zu HM-LGW-O-W-TW-EU aufbauen, wenn in der WebUI eine IP Adresse konfiguriert ist
- [HMCCU2-573] Programminhalt wird doppelt angezeigt
- [HMCCU2-524] Überflüssiger AES-Schlüsseltausch bei allen angelernten Geräten, die sich während aktiven Anlernmodus gemeldet haben
- [HMCCU2-525] Im Geräte-Posteingang funktioniert der "Löschen" Button nicht
- [HMCCU2-544] Zeitmodul: Gültigkeitsdauer einstellen mit IE 9 + 10 + 11
- [HMCCU2-547] Probleme mit Funk-LAN-Gateway und Heizkörperthermostate behoben. Nach einem LAN-Reconnect wurde die Uhrzeit nicht gesetzt
- [HMCCU2-561] In der Raumliste Scrollleiste hinzugefügt

[HMCCU2-569] Diverse Übersetzungen hinzugefügt

### 2.7.17

[HMCCU2-522] Kommunikationsprobleme mit dem neuen HomeMatic Funk LAN Gateway (HM-LGW-O-TW-W-EU) behoben

### 2.7.16

[HMCCU2-506] Wired Service stürzt ab, wenn eine IP Adresse in der WebUI angegeben wird.

2.7.14 Darf nicht bei Verwendung von HomeMatic Wired Geräten verwendet werden. Nähere Informationen dazu finden Sie auf der eQ-3 Webseite.

[HMCCU2-453] Fehlermeldungen beim HomeMatic Funk-Dimmaktor (HM-LC-Dim1PWM-CV) übersetzt

[HMCCU2-443] HomeMatic Funk-Heizkörperthermostat (HM-CC-RT-DN) - Ist-Temperatur in Gewerken u. Räumen wird nicht korrekt angezeigt

[HMCCU2-439] Messdatenerfassung funktioniert nach längerer Laufzeit nicht mehr korrekt

[HMCCU2-350] 1. und 2. interne Taste haben beim HomeMatic Funk-Rollladenaktor (HM-LC-BI1-SM) das Profil "Experte"

[HMCCU2-420] Bei der Sortierung der Geräteliste (auch im Posteingang) gehen Elemente der Seite verloren.

[HMCCU2-437] Nachdem der DHCP-Dienste wieder verfügbar ist, baut die Zentrale die Verbindung zu einem Wired Gateway nicht erneut auf.

[HMCCU2-430] Wird unter dem Windows 8.1 mit IE 11 eine neue Verknüpfung erstellt, erscheint die Auswahlliste der Geräte mit sehr großem Abstand zueinander.

[HMCCU2-430] Fehler 412 in WEBUI bei Benutzung vom Safari Browser

### Erweiterungen / Verbesserungen

[HMCCU2-335] Das neue HomeMatic Funk LAN Gateway (HM-LGW-O-TW-W-EU) wurde hinzugefügt

[HMCCU2-335] Der neue HomeMatic Wandthermostat (HM-TC-IT-WM-W-EU) wurde hinzugefügt

[HMCCU2-335] Der neue HomeMatic Funkschalter (HM-LC-Sw4-DR-2) wurde hinzugefügt

[HMCCU2-335] Der neue HomeMatic Funkschalter (HM-LC-Sw1-PI-3) wurde hinzugefügt

[HMCCU2-462] Türkisches Sprachpaket hinzugefügt

[HMCCU2-477] Diagrammfunktion für den kapazitiven Füllstandsmesser (HM-Sen-Wa-Od) erweitert

[HMCCU2-476] Diagrammfunktion für den Wandthermostat (HM-TC-IT-WM-W-EU) erweitert



## Known Bugs

### *Funk LAN Gateway:*

Wenn das neue Funk LAN Gateway (HM-LGW-O-TW-W-EU) verwendet wird, muss das Gateway vor der CCU2 eingeschaltet sein.

Wird das Gateway erst nach der CCU2 eingeschaltet, wird das Gateway von der CCU2 nicht erkannt.

Workaround: nicht vorhanden.

### *Funk LAN Gateway:*

Ändert sich die IP Adresse des Gateways, muss die Zentrale neu gestartet werden.

Dies ist auch der Fall, wenn nach einem zentralen Stromausfall der DHCP-Dienst nicht schnell genug zur Verfügung steht.

Workaround: Mit dem NetFinder eine feste IP Adresse vergeben.

Aktuelle Informationen zu bekannten Problemen finden Sie auch im FAQ Bereich der eQ-3 Webseite ([www.eq-3.de](http://www.eq-3.de)).

## 2.7.8

[HMCCU2-264] Simulierter Tastendruck bei Wired Geräten wird nicht ausgeführt

[HMCCU2-297] Programme verschwinden oder können nicht mehr bearbeitet werden

Beim Start der Version 2.7.8 werden Überprüfungen / Änderungen an der internen Datenbank vorgenommen.

Dieser Vorgang kann einigen Minuten in Anspruch nehmen. Während dieser Zeit ist die Zentrale nicht ansprechbar.

[HMCCU2-308] Funk-Schaltaktor mit Leistungsmessung (HM-ES-PMSw1-PI) integrieren

[HMCCU2-330] Öffnungswinkel der HomeMatic Funk-Fensterantrieb WinMatic (HM-Sec-Win) wird beim IE grafisch nicht dargestellt.

[HMCCU2-320] SSH Zugang kann über die WebUI (Systemsteuerung/Sicherheit) aktiviert / deaktiviert werden (einschl. Passwort setzen)

[HMCCU2-321] HomeMatic Funk-Regensensor (HM-Sen-RD-O) - ab Firmwareversion 1.4 gibt es 4 neue Parameter. "Over The Air Update" Datei (OTAU) hinzugefügt

[HMCCU2-331] HomeMatic Funk-Tür-Fenster Kontakt (HM-Sec-SC-2) hinzufügen

[HMCCU2-333] Fenster zum Umstellen der Gewerke bzw. der Räume der im Posteingang befindlichen Geräte lässt sich nicht wieder "Schließen".

[HMCCU2-339] RAMP\_STOP unter Programme beim HomeMatic Funk-Dimmaktor (HM-LC-Dim1T-PI-3) nicht übersetzt.

[HMCCU2-340] Beim HomeMatic Funk-Dimmaktor (HM-Dim1T-PI-3) kann kein Wertebereich größer 1 eingegeben werden.

[HMCCU2-358] Nach dem Hinzufügen des HomeMatic Wired RS485 LAN Gateway's (HMW-LGW-O-DR-GS-EU) wird das Logfile mit Debug Infos vollgeschrieben

[HMCCU2-431] Funkprobleme beim HomeMatic Funk-Heizkörperthermostat (HM-CC-RT-DN) behoben. "Over The Air Update" Datei (OTAU) hinzugefügt

## Erweiterungen / Verbesserungen

### [HMCCU2-337] Messdatenerfassung und -visualisierung

Eine genaue Funktionsbeschreibung finden Sie im WebUI Handbuch Version 3.0 (Download eQ-3 Webseite)

### [HMCCU2-337] Heizgruppenkonzept

Eine genaue Funktionsbeschreibung finden Sie im WebUI Handbuch Version 3.0 (Download eQ-3 Webseite)

## 2.5.4

### Bugfixes

[HMCCU2-298] Das Profil "nicht aktiv" bei interner Gerätetaste von Dimmern verursachte einen Fehler.

[HMCCU2-301] Easymode zwischen HomeMatic Wired RS485 Dimmaktuator (HMW-LC-Dim1L-DR) und HomeMatic Wired RS485 I/O-Modul (HMW-IO-4-FM) zeigte eine leere Seite

[HMCCU2-302] Der Hinweis zur Länge des Sicherheitsschlüssel wurde korrigiert.

[HMCCU2-305] Bei Verwendung bestimmter Variablennamen innerhalb von Scripts, wurde das Script ungültig.

[HMCCU2-311] EasyMode zwischen HomeMatic Funk-Dimmaktor (HM-LC-Dim1TPBU-FM) und Virtuellem CCU2-Kanal zeigte eine leere Seite.

[HMCCU2-314] Die Hilfe-Funktion einer Verknüpfung zwischen einem Bewegungsmelder und der WinMatic war fehlerhaft.

## Erweiterungen / Verbesserungen

[HMCCU2-276] Der neue HomeMatic Heizkörperthermostat (HM-CC-RT-DN) wurde hinzugefügt.

[HMCCU2-319] Bei der Sprache der WebUI kann benutzerabhängig zwischen Deutsch u. Englisch gewählt werden.

## 2.3.18

### Bugfixes

[HMCCU2-297] Stabilität beim Betrieb komplexer Installationen verbessert.

## 2.3.17

### Bugfixes

[HMCCU2-254] Innerhalb von Programmen mit Rollladenaktoren kommt das Wort "Behanghöhe" doppelt vor.

[HMCCU2-257] Info LED signalisiert keine Alarmmeldungen.

[HMCCU2-258] Wandthermostat zeigt einen Zeitunterschied von ungefähr 5 Minuten an.

[HMCCU2-260] Wired Service (hs485d) schreibt Debug als Error raus.

[HMCCU2-263] °C wird innerhalb des Expertenmodus der Easymodes falsch dargestellt.

[HMCCU2-288] Zeitunterschied zwischen Wandthermostat und CCU2 steigt kontinuierlich.



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* by Eric Young (eay@cryptsoft.com).
* The implementation was written so as to conform with Netscapes SSL.
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Hrvoje Niksic. Designed and implemented Wget.

Gordon Matzigkeit. Wrote netrc.c and netrc.h.

Darko Budor. Wrote initial support for Windows, wrote wsstartup.c, wsstartup.h and windecl.h. (The files were later renamed, but his code and ideas remained present.)

Junio Hamano. Added support for FTP Opie and HTTP digest authentication.

Dan Harkless. Added --backup-converted, --follow-tags, --html-extension, --ignore-tags, and --page-requisites; improved documentation; etc. Was the principle maintainer of GNU Wget for some time.

Christian Fraenkel. Initially implemented SSL support.

Thomas Lussnig. Initially implemented IPv6 support.

Ian Abbott. Contributed bugfixes, Windows-related fixes, provided a prototype implementation of the new recursive code, and more.

Co-maintained Wget during the 1.8 release cycle.

Gisle Vanem. Contributed Windows and MS-DOS improvements, including a port of run\_with\_timeout to Windows, additions to Makefiles, and many bug reports and fixes.

Mauro Tortonesi. Improved IPv6 support, adding support for dual family systems. Refactored and enhanced FTP IPv6 code. Maintained GNU Wget from 2004-2007.

Nicolas Schodet. Contributed to cookie code and documentation.

Daniel Stenberg. NTLM authentication in http-ntlm.c and http-ntlm.h originally written for curl donated for use in GNU Wget.

Micah Cowan. Maintained Wget from mid-2007 to mid-2010.

Ralf Wildenhues. Contributed patches to convert Wget to use Automake as part of its build process, and various bugfixes.

Steven Schubiger. Many helpful patches, bugfixes and improvements. Notably, conversion of Wget to use the Gnulib quotes and quoteargs modules, and the addition of password prompts at the console, via the Gnulib getpasswd-gnu module.

Ted Mielczarek. Support for parsing links from CSS.

Saint Xavier. Support for IRIs (RFC 3987).

Giuseppe Scrivano. Added support for HTTP/1.1. Current Wget maintainer.

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```
# cgi.tcl - routines for writing CGI scripts in Tcl
```

```
# Author: Don Libes <libes@nist.gov>, January '95
```

```
# Minor changes by Lars Reemts, eQ-3
```

```
# These routines implement the code described in the paper
```

```
# "Writing CGI scripts in Tcl" which appeared in the Tcl '96 conference.
```

```
# Please read the paper before using this code. The paper is:
```

```
# http://expect.nist.gov/doc/cgi.pdf
```

```
# F. Werner:
```

```
# add "charset=iso-8859-1" to header Content-Type
```

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Kanryu KATO
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#
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#
# This module converts Tcl embedded scripts into a Tcl normal script(parser),
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#
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# - require Tcl 8.2 instead of 8.3
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Javascript MD5

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You should have received a copy of the GNU General Public License  
along with this program. If not, see <http://www.gnu.org/licenses/>.
```

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

```
<program> Copyright (C) <year> <name of author>  
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

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## GNU Library General Public License, Version 2 (LGPLv2)

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Version 2, June 1991

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[This is the first released version of the library GPL. It is  
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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative

work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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```
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```

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You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

```
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```

```
<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice
```

That's all there is to it!

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6,

whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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```
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```

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Ty Coon, President of Vice
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## [GCC Runtime Library Exception, Version 3.1](#)

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Version 3.1, 31 March 2009

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