## Описание работы модуля

1. При получение события **Newchannel** получаем из него Linkedid и Uniqueid, время поступления вызова заносим в таблицу. В зависимости от исходящий вызов или входящий - получаем номер кто звонит (Channel, CallerIDNum).

**"Event":"Newchannel",**

"Privilege":"call,all",

**"Channel":"PJSIP/Krasnodar**test-0000029a",

**"ChannelState":"4",**

"ChannelStateDesc":"Ring",

**"CallerIDNum":"+74994031452",**

"CallerIDName":"+74994031452",

"ConnectedLineNum":"<unknown>",

"ConnectedLineName":"<unknown>",

"Language":"en",

"AccountCode":false,

"Context":"from-zadarma-custom",

**"Exten":"s",**

"Priority":"1",

**"Uniqueid":"1643482167.982",**

**"Linkedid":"1643482167.982"**}

1. Из события **Newexten** получаем путь и имя аудио файла (AppData), так же заносим в таблицу.

**"Event":"Newexten"**,

"Privilege":"dialplan,all",

"Channel":"Local/10002@from-queue-0000009d;2",

"ChannelState":"4",

"ChannelStateDesc":"Ring",

"CallerIDNum":"+74994031452",

"CallerIDName":"u041au0430u0441u043du043eu0434u0430u0440+74994031452",

"ConnectedLineNum":"s",

"ConnectedLineName":"<unknown>",

"Language":"ru",

"AccountCode":false,

"Context":"sub-record-check",

"Exten":"recordcheck",

"Priority":"18",

**"Uniqueid":"1643481466.980",**

**"Linkedid":"1643481466.978",**

"Extension":"recordcheck",

"Application":"MixMonitor",

**"AppData":"2022/01/29/external-10002-+74994031452-20220129-213746-1643481466.980.wav,abi(LOCAL*MIXMON*ID),"**}

1. По событию **DialEnd** - получаем кто и во сколько принял звонок.

**Входящий внешний вызов:**

**"Event":"DialEnd"**,

"Privilege":"call,all",

"Channel":"PJSIP/Krasnodartest-00000066",

"ChannelState":"6",

"ChannelStateDesc":"Up",

**"CallerIDNum":"+79037200856"**, **//Кто звонит**

"CallerIDName":"u041au0430u0441u043du043eu0434u0430u0440+79037200856",

"ConnectedLineNum":"<unknown>",

"ConnectedLineName":"<unknown>",

"Language":"ru",

"AccountCode":false,

"Context":"ext-queues",

"Exten":"30100",

"Priority":"51",

**"Uniqueid":"1643048481.170",**

**"Linkedid":"1643048481.170",**

**"DestChannel":"Local/10001@from-queue-00000023;1»,** **//Кому звонят**

"DestChannelState":"6",

"DestChannelStateDesc":"Up",

"DestCallerIDNum":"s",

"DestCallerIDName":"<unknown>",

"DestConnectedLineNum":"+79037200856",

"DestConnectedLineName":"u041au0430u0441u043du043eu0434u0430u0440+79037200856",

"DestLanguage":"ru",

"DestAccountCode":false,

"DestContext":"from-queue",

"DestExten":"30100",

"DestPriority":"1",

"DestUniqueid":"1643048484.174",

"DestLinkedid":"1643048481.170",

**"DialStatus":"ANSWER»**} **//Ответили на звонок**

**Исходящий внешний и внутренний звонок:**

**"Event":"DialEnd",**

"Privilege":"call,all",

**"Channel":"PJSIP/10002-0000010c", //Кто звонит**

"ChannelState":"4",

"ChannelStateDesc":"Ring",

"CallerIDNum":"135615",

"CallerIDName":"<unknown>",

**"ConnectedLineNum":"89037200856", //Кому звонят**

"ConnectedLineName":"CID:135615",

"Language":"ru",

"AccountCode":false,

"Context":"macro-dialout-trunk",

"Exten":"s",

"Priority":"27",

**"Uniqueid":"1643132414.448",**

**"Linkedid":"1643132414.448",**

"DestChannel":"PJSIP/Krasnodartest-0000010d",

"DestChannelState":"6",

"DestChannelStateDesc":"Up",

"DestCallerIDNum":"89037200856",

"DestCallerIDName":"CID:135615",

"DestConnectedLineNum":"135615",

"DestConnectedLineName":"<unknown>",

"DestLanguage":"ru",

"DestAccountCode":false,

"DestContext":"from-zadarma-custom",

"DestExten":false,

"DestPriority":"1",

"DestUniqueid":"1643132414.449",

"DestLinkedid":"1643132414.448",

**"DialStatus":"ANSWER"}**

1. При безусловном переводе **Blindtransfer** - получаем кто и на кого перевел звонок. (Данных при переводе много)

**"Event":"BlindTransfer",**

"Privilege":"call,all",

"Result":"Success",

**"TransfererChannel":"PJSIP/10001-0000034c", //Кто переводит**

"TransfererChannelState":"6",

"TransfererChannelStateDesc":"Up",

"TransfererCallerIDNum":"10001",

"TransfererCallerIDName":"test1",

"TransfererConnectedLineNum":"+74994031452",

"TransfererConnectedLineName":"u041au0430u0441u043du043eu0434u0430u0440+74994031452",

"TransfererLanguage":"ru",

"TransfererAccountCode":false,

"TransfererContext":"macro-dial-one",

"TransfererExten":"s",

"TransfererPriority":"1",

"TransfererUniqueid":"1644088174.1039",

**"TransfererLinkedid":"1644088173.1036", //Номер линка который переводится.**

"TransfereeChannel":"Local/10001@from-queue-00000060;2",

"TransfereeChannelState":"6",

"TransfereeChannelStateDesc":"Up",

"TransfereeCallerIDNum":"+74994031452",

"TransfereeCallerIDName":"u041au0430u0441u043du043eu0434u0430u0440+74994031452",

"TransfereeConnectedLineNum":"s",

"TransfereeConnectedLineName":"<unknown>",

"TransfereeLanguage":"ru",

"TransfereeAccountCode":false,

"TransfereeContext":"macro-dial-one",

"TransfereeExten":"s",

"TransfereePriority":"54",

"TransfereeUniqueid":"1644088174.1038",

"TransfereeLinkedid":"1644088173.1036",

"BridgeUniqueid":"7a8d5e8b-2814-4260-a46b-c8426d718270",

"BridgeType":"basic",

"BridgeTechnology":"simplebridge",

"BridgeCreator":"<unknown>",

"BridgeName":"<unknown>",

"BridgeNumChannels":"2",

"BridgeVideoSourceMode":"none",

"IsExternal":"Yes",

"Context":"from-internal-xfer",

**"Extension":"10002"} //Кому перевели**

1. При переводе с ответом оператора **AttendedTransfer** - получаем те же параметры, но при этом возникает новый канал, его удаляем из таблицы.

**"Event":"AttendedTransfer",**

"Privilege":"call,all",

"Result":"Success",

"OrigTransfererChannel":"PJSIP/10001-00000350",

"OrigTransfererChannelState":"6",

"OrigTransfererChannelStateDesc":"Up",

"OrigTransfererCallerIDNum":"10001",

"OrigTransfererCallerIDName":"test1",

"OrigTransfererConnectedLineNum":"+74994031452",

"OrigTransfererConnectedLineName":"u041au0430u0441u043du043eu0434u0430u0440+74994031452",

"OrigTransfererLanguage":"ru",

"OrigTransfererAccountCode":false,

"OrigTransfererContext":"macro-dial-one",

"OrigTransfererExten":"s",

"OrigTransfererPriority":"1",

**"OrigTransfererUniqueid":"1644089103.1047",**

**"OrigTransfererLinkedid":"1644089095.1041",**

"OrigBridgeUniqueid":"334e1b73-037f-4821-8b96-115a33b8cce8",

"OrigBridgeType":"basic",

"OrigBridgeTechnology":"simplebridge",

"OrigBridgeCreator":"<unknown>",

"OrigBridgeName":"<unknown>",

"OrigBridgeNumChannels":"2",

"OrigBridgeVideoSourceMode":"none",

"SecondTransfererChannel":"PJSIP/10001-00000353",

"SecondTransfererChannelState":"6",

"SecondTransfererChannelStateDesc":"Up",

**"SecondTransfererCallerIDNum":"10001", //Кто переводит**

"SecondTransfererCallerIDName":"test1",

**"SecondTransfererConnectedLineNum":"10002", //Кому переводят**

"SecondTransfererConnectedLineName":"test2",

"SecondTransfererLanguage":"ru",

"SecondTransfererAccountCode":false,

"SecondTransfererContext":"macro-dial-one",

"SecondTransfererExten":"s",

"SecondTransfererPriority":"54",

"SecondTransfererUniqueid":"1644089146.1050",

"SecondTransfererLinkedid":"1644089146.1050",

"SecondBridgeUniqueid":"b3acf4d0-bd48-4a50-9358-02b8a5c0d5ad",

"SecondBridgeType":"basic",

"SecondBridgeTechnology":"simplebridge",

"SecondBridgeCreator":"<unknown>",

"SecondBridgeName":"<unknown>",

"SecondBridgeNumChannels":"2",

"SecondBridgeVideoSourceMode":"none",

"TransfereeChannel":"Local/10001@from-queue-00000062;2",

"TransfereeChannelState":"6",

"TransfereeChannelStateDesc":"Up",

"TransfereeCallerIDNum":"+74994031452",

"TransfereeCallerIDName":"u041au0430u0441u043du043eu0434u0430u0440+74994031452",

"TransfereeConnectedLineNum":"s",

"TransfereeConnectedLineName":"<unknown>",

"TransfereeLanguage":"ru",

"TransfereeAccountCode":false,

"TransfereeContext":"macro-dial-one",

"TransfereeExten":"s",

"TransfereePriority":"54",

"TransfereeUniqueid":"1644089103.1046",

"TransfereeLinkedid":"1644089095.1041",

"TransferTargetChannel":"PJSIP/10002-00000354",

"TransferTargetChannelState":"6",

"TransferTargetChannelStateDesc":"Up",

"TransferTargetCallerIDNum":"10002",

"TransferTargetCallerIDName":"test2",

"TransferTargetConnectedLineNum":"10001",

"TransferTargetConnectedLineName":"test1",

"TransferTargetLanguage":"ru",

"TransferTargetAccountCode":false,

"TransferTargetContext":"from-internal",

"TransferTargetExten":false,

"TransferTargetPriority":"1",

"TransferTargetUniqueid":"1644089146.1051",

"TransferTargetLinkedid":"1644089146.1050",

"IsExternal":"No",

"DestType":"Bridge",

"DestBridgeUniqueid":"b3acf4d0-bd48-4a50-9358-02b8a5c0d5ad"}

1. По событию **Hangup** - получаем значения когда положили трубку.

**"Event":"Hangup",**

"Privilege":"call,all",

**"Channel":"PJSIP/10002-0000010c",**

"ChannelState":"6",

"ChannelStateDesc":"Up",

**"CallerIDNum":"135615",**

"CallerIDName":"<unknown>",

"ConnectedLineNum":"89037200856",

"ConnectedLineName":"CID:135615",

"Language":"ru",

"AccountCode":false,

"Context":"from-internal",

**"Exten":"h",**

"Priority":"1",

"Uniqueid":"1643132414.448",

"Linkedid":"1643132414.448",

"Cause":"16",

"Cause-txt":"Normal Clearing"}

1. Каждый класс находиться в отдельном файле с названием события, класс имеет название события и стартовую функцию start($data) с передачей в нее данных полученных от астериск.

**Eventcall.php** - исполняемый файл.

**classes/attendedtransfer.php** - обработка перевода с поднятием трубки

**classes/blindtransfer.php** - обработка безусловного перевода

**classes/Conn\_db.php** - подключение к базе данных

**classes/ dialend.php** - обработка поднятия трубки

**classes/hangup.php** - обработка отбоя

**classes/newchannel.php** - обработка поступающего/исходящего звонка

**classes/newexten.php** - получение путь и название аудио файла

**classes/phonenumtransfer.php** - преобразование номера телефона