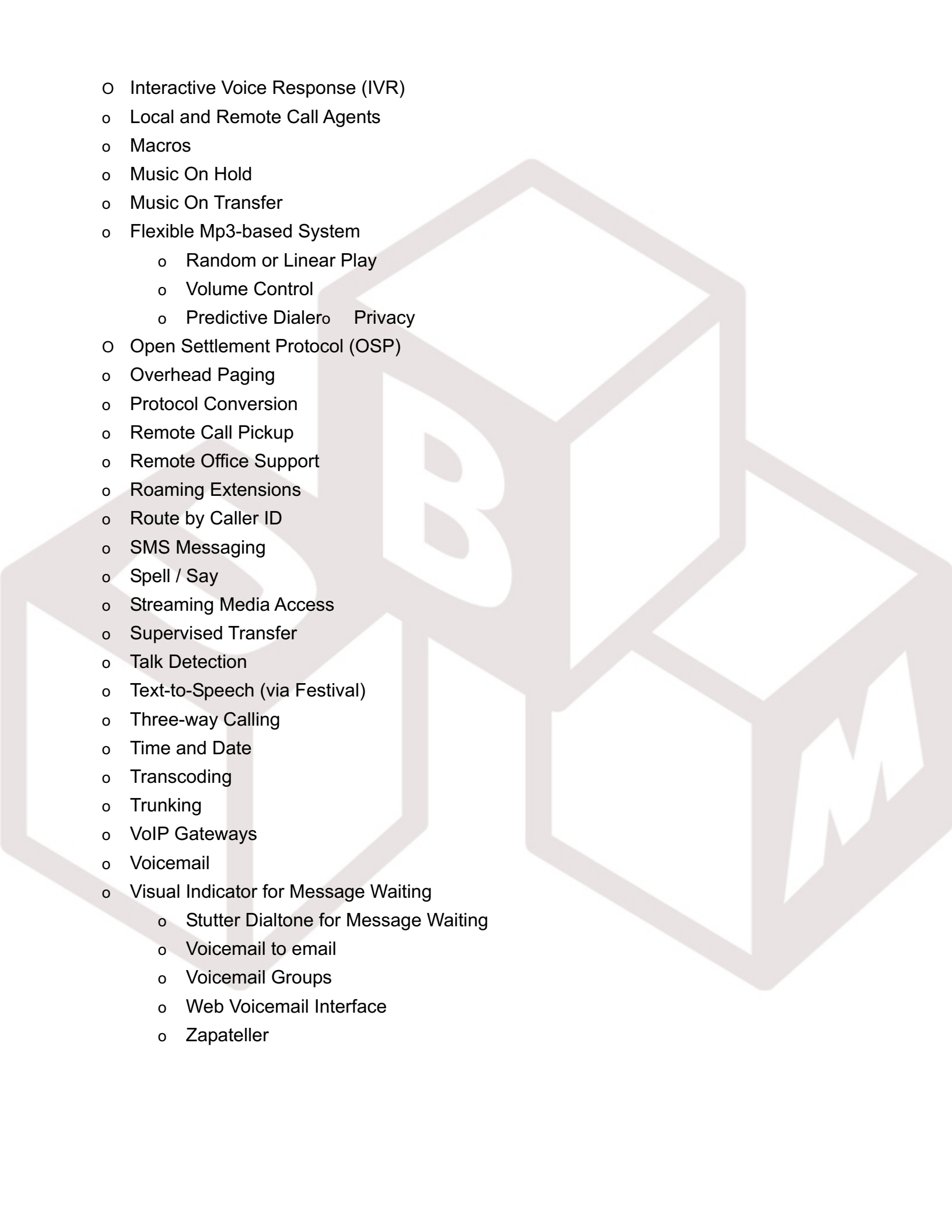


## Call Features

- o ADSI On-Screen Menu System
- o Alarm Receiver
- o Append Message
- o Authentication
- o Automated Attendant
- o Blacklists
- o Blind Transfer
- o Call Detail Records
- o Call Forward on Busy
- o Call Forward on No Answer
- o Call Forward Variable
- o Call Monitoring
- o Call Parking
- o Call Queuing
- o Call Recording
- o Call Retrieval
- o Call Routing (DID & ANI)
- o Call Snooping
- o Call Transfer
- o Call Waiting
- o Caller ID
- o Caller ID Blocking
- o Caller ID on Call Waiting
- o Calling Cards
- o Conference Bridging
- o Database Store / Retrieve
- o Database Integration
- o Dial by Name
- o Direct Inward System Access
- o Distinctive Ring
- o [Distributed Universal Number Discovery \(DUNDi™\)](#)
- o Do Not Disturb
- o E911
- o ENUM
- o Fax Transmit and Receive (3rd Party OSS Package)
- o Flexible Extension Logic
- o Interactive Directory Listing
- o Interactive Voice Response (IVR)
- o Local and Remote Call Agents
- o Macros
- o Music On Hold

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- Interactive Voice Response (IVR)
  - Local and Remote Call Agents
  - Macros
  - Music On Hold
  - Music On Transfer
  - Flexible Mp3-based System
    - Random or Linear Play
    - Volume Control
    - Predictive Dialer
  - Privacy
  - Open Settlement Protocol (OSP)
  - Overhead Paging
  - Protocol Conversion
  - Remote Call Pickup
  - Remote Office Support
  - Roaming Extensions
  - Route by Caller ID
  - SMS Messaging
  - Spell / Say
  - Streaming Media Access
  - Supervised Transfer
  - Talk Detection
  - Text-to-Speech (via Festival)
  - Three-way Calling
  - Time and Date
  - Transcoding
  - Trunking
  - VoIP Gateways
  - Voicemail
    - Visual Indicator for Message Waiting
      - Stutter Dialtone for Message Waiting
      - Voicemail to email
      - Voicemail Groups
      - Web Voicemail Interface
      - Zapateller

## Computer-Telephony Integration

- o AGI (Asterisk Gateway Interface)
  - o Graphical Call Manager
  - o Outbound Call Spooling
  - o Predictive Dialer
  - o TCP/IP Management Interface

## Scalability

- o TDMoE (Time Division Multiplex over Ethernet)
- o Allows direct connection of Asterisk PBX
  - o Zero latency
  - o Uses commodity Ethernet hardware
    - Voice-over IP
- o Allows for integration of physically separate installations
  - o Uses commonly deployed data connections
  - o Allows a unified dialplan across multiple offices

## Codecs

- o ADPCM
  - o G.711 (A-Law & i-Law)
  - o G.723.1 (pass through)
  - o G.726
  - o G.729 (through purchase of commercial license through [Digium](#))
- o GSM
- o iLBC
- o Linear
- o LPC-10
- o Speex

## Protocols

- o IAX™ (Inter-Asterisk Exchange)
  - o H.323
  - o SIP (Session Initiation Protocol)
  - o MGCP (Media Gateway Control Protocol)
  - o SCCP (Cisco® Skinny®)

## Traditional Telephony Interoperability

- o E&M
  - o E&M Wink
  - o Feature Group D
  - o FXS
  - o FXO
  - o GR-303
  - o Loopstart
  - o Groundstart
  - o Kewlstart
  - o MF and DTMF support
  - o Robbed-bit Signaling (RBS) Types
  - o MFC-R2 (Not supported by Digium. However, a patch is available at [Voip-info.org](http://Voip-info.org))

## PRI Protocols

- o 4ESS
  - o BRI (ISDN4Linux)
  - o DMS100
  - o EuroISDN
  - o Lucent 5E
  - o National ISDN2
  - o NFAS